

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

TREE SEEDS

COMPLETE PRICE LIST of



	PAGE
Seeds of Conifers.....	3
Seeds of Trees and Shrubs.....	5
Seeds of <i>Ulmus pumila</i>	13
Seeds of Fruit Trees.....	14
Seeds of Palms, Trop. & Sub-Trop. Plants.....	14
Lining-Out Stock	16
Woodsgrown Stock	18
Seeds of Flowers.....	18
Medicinal Roots and Seeds.....	20
Books	21
Sundries	24

Otto Katzenstein & Co.

TREE SEED SPECIALISTS

109 Druid
Circle
N. E.
P. O. Box
259



Registered
Cable
Address
Treeseeds
Atlanta, Ga.

ATLANTA, GEORGIA, U. S. A.

OUR PAMPHLET, "HOW TO MAKE TREE SEEDS GROW," ON REQUEST FREE WITH EVERY ORDER
25 CENTS A COPY.

THE FOLLOWING CONDITIONS GOVERN ALL TRANSACTIONS:

THE PUBLICATION OF THIS LIST CANCELS ALL PREVIOUS QUOTATIONS.

TERMS: Cash. Thirty days net or 2% discount for cash within ten days from date of invoice to domestic book customers. We expect remittance with order or other arrangements, satisfactory to us, from our foreign customers. PRICES ARE QUOTED AND REMITTANCES ARE EXPECTED IN U. S. MONEY.

ALL SHIPMENTS travel at customer's risk. After having taken receipt of transportation companies we are not responsible for delays, losses or injury to shipment while in transit. Customer's redress is with transportation companies only.

PARCEL POSTAGE. Domestic rates are governed by zone tariff. Parcel postage into foreign countries is 14c per pound or fraction of pound. In addition to this a number of countries require payment of a surtax. Remittances should cover sufficient amounts for postage, etc.

NON-WARRANTY. We use the greatest care to have all our seeds, bulbs, plants, etc., pure and reliable, but they are sold without warranty and without responsibility, express or implied, in respect to the crop. All sales are made under these terms. We are under no circumstances to be held responsible beyond the invoiced value of our goods and **WE CANNOT, UNDER ANY CIRCUMSTANCES, CONSIDER ANY CLAIM AFTER THE GOODS HAVE BEEN PLANTED.** All claims must be made on receipt of goods.

This list is published before the actual extent of some crops of trees and shrub seeds, offered in it, is known and our acceptance of orders is not a warranty for delivery but is subject to crop accidents and limitations of crops. Failing to receive the full amounts ordered from our collectors and growers we reserve the right to reduce proportionately all orders which have been booked or to fill orders in rotation while the supply lasts.

The U. S. Plant Quarantine and Control Administration has now prohibited the importation of any tree seeds in their natural hull. The removal of the outer hulls has naturally effected the prices of seeds which in the past could be imported as gathered.

MEMBER American Association of Nurserymen.
Southern Nurserymen's Association
Société Dendrologique de France
Deutsche Dendrologische Gesellschaft, etc., etc.



Katzenstein's Seeds with a Reputation for Growing

**STANDARDIZED PLANT NAMES is authority
for our nomenclature**

Conifers

Half ounce and quarter pound at ounce and pound rates, respectively.
No seeds invoiced for less than 15 cents. No invoice for less than 25 cents. Quotations on large quantities given by letter.

	OZ.	LB.
ABIES arizonica, Silver Cork Fir.....	\$.75	7.00
“ balsamea, Balsam F.....	.35	3.40
“ brachyphylla, see homolepis		
“ cephalonica, Greek Fir.....	.35	3.00
“ concolor, White Fir, Colorado.....	.25	2.00
“ concolor violacea.....	.35	3.00
“ firma, Momi F.....	.30	2.80
“ fraseri, Fraser F.....	.45	4.20
“ grandis, Great Silver F.....	.40	3.50
“ homolepis, Nikko F.....	.45	4.20
“ lasiocarpa (subalpina), Alpine F.....	.55	5.00
“ magnifica, Red F.....	.50	4.50
“ nobilis, Nobel F.....	.35	3.00
“ nordmanniana, Nordmann F.....	.35	3.00
“ pectinata, European Silver F.....	.20	1.60
“ pinsapo, Spanish F.....	.35	3.00
“ sibirica, Siberian F.....	.50	4.50
“ veitchi, Veitch F.....	.45	4.40
	100	1000
	Seeds	Seeds
ARAUCARIA bidwilli, Bunya-Bunya	8.00	
“ excelsa, Norfolk-Island Pine.....	2.00	16.50
“ imbricata, Monkeypuzzle.....	1.50	12.50
	OZ.	LB.
CEDRUS atlantica, Atlas Cedar.....	.40	3.50
“ atlantica argentea.....	.45	4.00
“ deodara, Deodar (ask for quantity prices).....	.40	3.50
“ deodara argentea.....	.50	4.50
“ libani, Cedar of Lebanon.....	.40	3.50
CEPHALOTAXUS drupacea, Japanese Plum-Yew.....	.25	2.40
CHAMAECYPARIS lawsoniana, Lawson Cypress (domestic	.65	6.00
“ lawsoniana, imported.....	.30	2.80
“ obtusa, Kinoki C.....	.30	2.60
“ pisifera, Sawara Retinospora.....	.30	2.60
CRYPTOMERIA japonica, Common C.....	.20	1.80
GUNNINGHAMIA lanceolata (sinensis) Chinese Fir.....	.40	3.60
CUPRESSUS arizonica, Arizona Cypress.....	.30	2.80
“ benthami, Bentham C. (from Old Mexico).....	.40	3.50
“ funebris, Mourning C.....	.40	3.50
“ glabra, Smooth C.....	.30	2.80
“ goveniana, Gowen C.....	.45	4.00
“ lusitanica, Portuguese C.....	.50	4.80
“ macrocarpa, Monterey C.....	.25	2.20
“ sempervirens, Italian C. (domestic seed).....	.35	3.40
“ sempervirens, Imported.....	.25	2.00
“ s. fastigiata, Pyramidal I. C. (domestic).....	.40	3.60
“ s. fastigiata, Imported.....	.25	2.20
“ s. horizontalis, Spreading I. C. (domestic).....	.35	3.40
“ s. horizontalis, Imported.....	.25	2.00
“ torulosa, Bhutan C.....	.35	3.00
GINKGO biloba, Maidenhair-tree domestic) .....	.15	1.20
JUNIPERUS californica, California J.....	.30	2.80
“ cedrus.....	.70	6.00
“ chinensis, Chinese J.....c	.30	2.80
“ chinensis sargentii, Sargent J.....c	.50	4.60
“ communis, Common J.....	.15	1.40
“ communis canadensis, Prostrate J.....	.20	1.80
“ communis montana (nana), Mountain J.....	.20	1.80
“ conferta (litoralis), Shore J.....c	.65	6.00
“ rigida, Needle J.....c	.40	3.50
“ monosperma, Cherrystone J.....	.35	3.00
“ sabina, Savin .....	.35	3.20

NOTE MATERIAL PRICE REDUCTIONS

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

JUNIPERUS—Contd.		OZ.	LB.
" scopulorum, Colorado J.....		.20	1.60
" scopulorum (from Montana).....		.30	2.50
" virginiana, Redcedar, Platte River type (100 lbs. \$80).....		.15	1.10
" virginiana, Southern type (100 lbs. \$75).....		.15	.95
LARIX dahurica, Dahurian Larch.....		.50	4.50
" europaea, European L.....		.25	2.00
" laricina, American L.....		2.50	20.00
" leptolepis (1930) Japanese L.....		.45	4.50
" occidentalis, Western L.....		.50	4.50
LIBOCEDRUS decurrens, California Incense-Cedar.....		.35	3.20
PICEA ajanensis, see jezoensis.			
" canadensis (alba), White Spruce.....		.40	3.60
" canadensis albertiana, Black Hills Spruce.....		.70	6.50
" canadensis albertiana, Western S.....		.65	6.00
" engelmanni, Engelmann Spruce.....		.50	4.80
" excelsa, Norway Spruce (ask quantity prices).....		.20	1.80
" glehni, Sakhalin S.....		.85	8.00
" jezoensis, Yeddo S.....		.85	8.20
" omorika, Serbian S.....		5.00	42.50
" orientalis, Oriental S. (write us).....			
" pungens, Colorado S. (North Colo.).....		.50	4.50
" pungens argentea, Handpicked.....		1.00	9.00
" pungens glauca, Colorado Blue S.....		.75	7.00
" sitchensis (menziesi) Sitka S.....		.75	7.00
PINUS attenuata (tuberculata) Knobcone Pine.....		.65	6.25
" aristata, Bristlecone P.....		.30	2.80
" austriaca, see P. nigra			
" banksiana, Jack Pine.....		.45	4.00
" bungeana, Lacebark P.....		.40	3.50
" canariensis, Canary P.....		.30	2.80
" caribaea, Slash P.....		.55	5.00
" cembra, Swiss Stone P.....		.20	1.80
" contorta, Shore P.....		.85	8.00
" coulteri, Coulter P.....		.55	5.00
" densiflora, Japanese Red P.....		.25	2.40
" echinata (mitis), Shortleaf P.....		.80	7.00
" edulis, Nut P. (Pinyon).....		.20	1.75
" excelsa, Himalayan P.....		.40	3.60
" flexilis, Limber P.....		.35	3.20
" halepensis, Aleppo P.....		.20	1.80
" insignis, see P. radiata.			
" jeffreyi, Jeffrey P.....		.35	3.00
" koraiensis, Korean P.....		.25	2.20
" lambertiana, Sugar P.....		.25	2.10
" laricio, Corsican P.....		.35	3.00
" larico austriaca, see P. nigra.			
" leucodermis, Graybark P.....		.65	6.25
" maritima, see P. pinaster.			
" massoniana, see P. densiflora.			
" montana, Swiss Mountain Pine.....		.40	3.50
" montana mughus, Mugho P. (many-branched).....		.35	3.20
" monticola, Western White P.....		.75	6.25
" muricata, Bishop P.....		.75	7.00
" murrayana, Lodgepole P.....		.75	7.00
" nigra, Austrian P.....		.30	2.60
" palustris, Longleaf P.....		.25	2.40
" parviflora, Japanese White P.....		.40	3.80
" patula, Jelecote P. (Old Mexico).....		.85	8.00
" peuce, Macedonian P.....		.45	4.00
" pinaster (maritima), Cluster P.....		.15	1.20
" pinea, Italian Stone P.....		.15	1.20
" ponderosa, Western Yellow P. Colo.....		.25	2.00
" radiata (insignis), Monterey P.....		.45	4.00
" resinosa, Red P.....		1.25	11.00
" rigida, Pitch P.....		.85	8.00
" sabiniana, Digger P.....		.20	1.60
" serotina, Pond P.....		1.40	12.00
" strobus, White P.....		.40	3.60
" sylvestris, Scotch P.....		.30	2.60
" sylvestris rigensis, Riga P.....		.55	5.00
" taeda, Loblolly Pine, Oldfield P.....		.65	6.00
" tanyosho globosa.....		2.00	18.00

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

PINUS—Contd.	OZ.	LB.
" teocote, (Old Mexico).....	1.20	
" thunbergi, Japanese Black P.....	.25	2.00
" torreyana, Torrey P.....	.55	5.00
" tuberculata, see P. attenuata.		
PODOCARPUS macrophylla Yew Podocarpus.....	.25	2.00
" sinensis, Chinese P. ....	.25	2.00
PSEUDOLARIX kaempferi (amabilis) Goldenlarch.....	.60	5.50
PSEUDOTSUGA douglasi, gray, Colorado.....	.60	5.50
" douglasi, green, Calif.....	.85	8.00
" douglasi, green West Wash-Oregon.....	.85	8.00
" douglasi, green, Shuswap strain .....	.75	7.50
SCIADOPITYS verticillata, Umbrella Pine.....	.70	6.50
SEQUOIA gigantea, Giant S. Big Tree.....	1.00	9.00
" sempervirens, Redwood.....	.50	4.50
TAXODIUM distichum, Common Baldcypress.....	.15	1.20
" mucronatum, Montezuma B.....	.85	8.00
TAXUS baccata, English Yew.....	.30	2.80
" baccata pyramidalis, Irish Yew.....	.35	3.40
" cuspidata, Japanese Y.....	.35	3.00
THUJA gigantea, see Th. plicata		
" occidentalis, American Arborvitae.....	.40	3.80
" orientalis, Oriental Av.....	.20	1.60
" orientalis aurea, Golden O. Av.....	.30	2.80
" orientalis, aurea nana, Berckmans Av.....	.60	5.50
" orientalis aurea conspicua Goldspire.....	.60	5.50
" orientalis bonita, Bonita, Av.....	.50	4.50
" orientalis compacta, Compact Av.....	.30	2.80
" orientalis pyramidalis, Pyramidal O. Av.....	.25	2.00
" plicata, Giant Av.....	.70	6.50
THUJOPSIS dolabrata, False-Arborvitae.....	.55	5.00
TORREYA californica, California Nutmeg.....	.35	3.20
" nucifera, Japanese Nutmeg.....	.25	2.00
TSUGA canadensis, Canada Hemlock.....	.85	8.00
" caroliniana, Caroliana H.....	1.10	9.50
" sieboldi, Siebold H.....	.70	6.80
WELLINGTONIA see Sequoia.		

IMPORTANT—We exercise every care to send out tree seeds true to name. We cannot extend this guarantee to the result from sowing seeds of such varieties of conifers as "aurea, compacta, glauca, pendula, pyramidalis, violacea, etc." Our collectors are careful in gathering the seeds from trees showing the peculiarities of the variety but the seedlings will often revert to the mother form and as we have no way of testing the seeds as to their producing true to variety, we send them out without any warranty that they will come true any given percentage to variety.

Trees and Shrubs

Half ounce, quarter pound, 25 lbs. at ounce, pound and hundred pound rates, respectively. No seeds invoiced for less than 15 cents. No invoice for less than 25 cents. Prices for larger quantities will be quoted by letter upon request.

We are using the following abbreviations:

"e" means evergreen, "d" means deciduous.

"t" means tree, "s" means shrub.

"v" means vine or climber.

"db" means seed in natural hull.

"c" means clean seed.

Example: "et" stands for evergreen tree.

	OZ.	LB.
dt ACACIA armata, Kangaroo Thorn.....	.70	6.50
dt " baileyana, Cootamundra Wattle.....	.55	5.00
dt " cyanophylla, Blueleaf A.....	.45	4.00
dt " dealbata, Silver Wattle.....	.30	2.50
dt " farnesiana, Sweet Acacia.....	.35	3.00
dt " melanoxylon, Blackwood A.....	.50	4.50
dt ACANTHOPANAX sessiliflorum .....	.60	5.50
dt " spinosum .....	.40	3.50
dt ACER campestre, Hedge Maple (Spring 1932).....	.15	1.00
dt " circinatum, Vine M.....	.35	3.00
dt " dasycarpum, Silved M. (May 1932) Order early.....		
dt " ginnala, Amur M.....	.25	2.30

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

ACER—Contd.		OZ.	LB.
dt	" japonicum, Fullmoon M.....	.30	2.80
dt	" macrophyllum, Oregon M.....	.15	1.40
dt	" mono, Small-leaf Chinese M.....	.25	2.00
dt	" negundo, Boxelder.....	.15	.60
dt	" palmatum (polymorphum), Japanese M. Large seeded	.40	3.50
dt	" palmatum (polymorphum), small seeded.....	.50	4.80
dt	" palmatum atropurpureum, Bloodleaf M.....	1.20	10.00
dt	" palmatum atropurpureum, 60% true.....	1.80	15.00
dt	" pennsylvanicum (striatum), Striped M.....	.30	2.50
dt	" platanoides, Norway M.....	.15	.90
dt	" polymorphum see A. palmatum.		
dt	" pseudoplatanus, Sycamore M. ....	.15	1.00
dt	" rubrum, Red M. (May 1932) Order early		
dt	" saccharum, Sugar M.....	.15	1.00
dt	" spicatum, Mountain M.....	.30	2.80
dv	ACTINIDIA polygama, Silvertree.....c	.80	7.50
dt	ADENANTHERA pavonina, Red Sandalwood.....c	.40	4.00
dt	AESCULUS californica, California Buckeye.....	.15	.85
dt	" glabra, Ohio B.....	.15	.50
dt	" hippocastanum, Horsechestnut.....	.15	.50
dt	" hippocastanum rubicunda, Red H. ....	.15	.80
dt	" octandra (flava) Yellow B.....	.15	.60
dt	AILANTHUS glandulosa, Tree-of-Heaven.....	.15	1.20
dv	AKEBIA lobata, Threelobed A.....	.35	3.00
dv	" quinata, Fiveleaf A.....	.30	2.80
dt	ALBIZZIA julibrissin, Silkree.....	.20	1.60
dt	" lebeck, Lebeck.....	.35	3.20
dt	" lophantha (Acacia l.) Plume Acacia.....	.25	2.00
dt	ALEURITES cordata, Kiri-Oil tree.....	.30	2.50
dt	" fordii, Tung-Oil tree (ask for quantity prices).....	.15	.70
dt	" moluccana, Candlenut.....	.25	2.00
dt	ALNUS glutinosa, European A.....	.15	1.25
dt	" incana, Speckled A.....	.20	1.60
ALTHAEA, see Hibiscus.			
ds	AMELANCHIER alnifolia, Saskatoon.....	.35	3.00
ds	" canadensis (botryapium), Downy Shadblow.....dh	.40	3.60
ds	" laevis, Alleghany S.....dh	.40	3.60
ds	AMORPHA fruticosa, Indigobush.....	.15	1.10
dv	AMPELOPSIS quinquefolia, Va. Creeper.....dh	.20	1.80
dv	" tricuspidata (veitchii), Boston Ivy.....dh	.15	1.20
dv	" tricuspidata imported.....c	.25	2.40
dt	AMYGDALUS communis, Almond.....	.15	.80
dt	" davidiana, Chinese Wild Peach (stock).....	.15	1.20
dt	" persica, Natural Peach see Fruit seeds.....	.15	.80
ANDROMEDA, see Leucothoe, Oxydendrum, Pieris.			
ds	ARALIA cordata, Udo.....	.40	3.80
ds	" spinosa, Devils Walking-stick.....	.30	2.80
dt	ARBUTUS menziesii, Madrone.....	.30	2.60
dt	" unedo, Strawberry-tree.....	.25	2.40
es	ARDISIA crenulata, Coral Ardisia.....	.35	3.20
es	" japonica, Japanese A.....	.35	3.20
dv	ARISTOLOCHIA siphon, Dutchman's Pipe.....	.55	5.00
dv	" tomentosa, Pipevine.....	.35	3.00
ARONIA, Chokeberry, see also Sorbus			
ds	" arbutifolia, Red Chokeberry.....	.15	1.10
ds	" melanocarpa, Black Chokeberry.....	.20	1.80
dt	ASIMINA triloba, Papaw.....c	.15	1.40
es	AUCUBA japonica, Japanese (green) A.....	.25	2.25
es	" japonica aureo-maculata, Variegated A.....	.55	5.00
AZALEA, Azalea, see also Rhododendron.			
ds	" arborescens, Sweet A.....db	.45	4.50
ds	" calendulacea (lutea), Flame A.....db	.40	3.80
1/4 oz.			
es	" hinodegiri, Hinodegiri A.....c	1.25	4.00
es	" indica, Indica Azalea.....	6.00	
es	" japonica, Japanese A.....c	1.50	5.00
ds	" kaempferi, Torch A.....c	1.20	3.60
ds	" kurume, Kurume A.....c	1.20	3.50
ds	" mollis, Chinese A.....	.40	1.20
ds	" nudiflora, Pinxterflower.....	.40	3.80
ds	" occidentalis, Western A.....	.90	3.00
ds	" poukhanensis, Korean A.....	1.25	4.00
ds	" schlippenbachii, Royal A.....	.90	2.80
ds	" vaseyi, Pinkshell A.....db	.65	7.50

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

	OZ.	LB.
es BAUHINIA monandra, St. Thomas tree.....	1.50	
es " purpurea, Purple B.....	1.00	
ds BENZOIN aestivale (Laurus benzoin), Spicebush.....	.15	1.20
BERBERIS, see also Mahonia.		
es " darwini, Darwin B.....	.55	5.00
ds " thunbergi, Thunberg B. (domestic).....c	.50	4.80
ds " thunbergi.....db	.25	2.00
dt BETULA alba, European White Birch.....	.15	1.00
dt " lenta, Sweet B.....	.25	2.00
dt " lutea (excelsa), Yellow B.....	.25	2.00
dt " nigra, River B. (Spring 1932).....	.25	2.40
dt " papyrifera, Canoe B.....	.25	2.10
dt " populifolia, Gray B.....	.20	1.75
dv BIGNONIA radicans, Trumpet creeper.....	.30	2.60
et BUXUS japonica (microphylla) Japanese Box.....	.65	6.00
et " sempervirens, Common B.....	.25	2.20
ds CALLICARPA americana, American Beautyberry.....	.20	1.80
ds " japonica, Japanese B.....c	1.20	9.00
ds CALYCANTHUS floridus (laevigatus) Sweetshrub .....	.20	1.60
ds " occidentalis, Western S. ....	.35	3.00
ds " praecox, see under Meratia.		
es CAMELLIA japonica, Common C.....	.20	1.60
es " sasanqua, Sasanqua C.....	.20	1.80
es " sinensis, Chinese C.....	.30	2.50
" theifera, see Thea sinensis.		
CAMPHORA, see Cinnamomum.		
ds CARAGANA arborescens, Siberian Pea-tree.....	.20	1.60
es CARPENTERIA californica, Carpenteria..... $\frac{1}{4}$ -oz. \$1.60	4.60	.....
dt CARPINUS betulus, European Hornbeam.....	.15	1.00
dt " caroliniana, American Hornbeam.....	.15	1.40
CARYA, see Hicoria.		
dt CASTANEA dentata, American Chestnut (Oct-Nov.only)	.15	.70
dt " japonica, Japanese Ch.....	.15	1.00
dt " mollissima, Hairy Chinese Ch.....	.15	1.00
dt CASUARINA cunninghamiana, Cunningham Beefwood	.75	7.00
dt " equisetifolia, Australian Pine.....	.75	7.00
dt " stricta (quadrivalvis), Longwood Beefwood.....	1.80	
dt CATALPA speciosa, True Wild Western C.....	.20	1.60
dt " speciosa, cultivated Catalpa .....	.15	1.10
ds CEANOTHUS americanus, Jersey-tea.....dt	.15	.90
dt CEDRELA sinensis, Chinese C.....	.70	6.50
dv CELASTRUS orbiculatus, Oriental Bittersweet.....c	.40	3.50
dv " scandens, American B.....	.25	2.40
dt CELTIS mississippiensis, Sugarberry.....	.15	1.00
dt " occidentalis, Hackberry.....	.25	2.25
dt " tourneforti, Oriental H.....	.15	1.00
ds CEPHALANTHUS occidentalis, Common Buttonbush...	.15	.90
et CERATONIA siliqua, Carob.....	.35	3.20
dt CERCIS canadensis, American Redbud.....	.20	1.50
dt " occidentalis, California R.....	.30	2.80
dt " siliquastrum, Judas-tree.....	.20	1.80
dt " sinensis, Chinese H.....	.40	4.50
ds CHIONANTHUS virginica, White Fringe.....	.30	2.60
et CINNAMOMUM camphora, Camphor-tree.....	.15	1.00
et CITRUS trifoliata, Hardy Orange.....	.25	2.00
dt CLADRASTIS lutea (tinctoria), Yellow-wood.....	.30	2.80
dv CLEMATIS paniculata, Sweet Autumn C.....	.35	3.50
ds CLERODENDRON trichotomum, Harlequin Glorybower	.35	3.20
ds CLETHRA alnifolia, Summersweet.....	.15	1.00
dv COBAEA scandens, Purplebell Cobaea..... $\frac{1}{4}$ -Oz. \$1.25	4.00	.....
ds COLUTEA arborescens, Common Bladder-Senna.....	.15	1.40
CORDYLINE (Dracaena), see under Palm seeds.		
ds CORNUS alba, Tatarian Dogwood.....	.35	3.20
ds " alternifolia, Pagoda D.....	.25	2.00
ds " amomum (sericea), Silky D.....	.15	1.20
" candidissima, see paniculata.		
dt " florida, Flowering D. (\$40 for 100 lbs.).....	.15	.60
ds " kousa, Kousa D.....	.40	3.20
dt " mas, Cornelian-Cherry.....	.15	1.10
ds " nuttalli, Pacific D.....	.15	1.40
ds " paniculata, Gray D.....	.15	1.40
ds " sanguinea, Bloodtwig.....	.20	1.75
ds " stolonifera, Red-Osier D.....	.15	1.40

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

	OZ.	LB.
dt CORONILLA emerus, Scorpion-Senna .....	.35	3.20
ds CORYLUS americana, American Hazelnut.....	.15	.75
ds " avellana, Filbert .....	.15	.90
ds COTONEASTER acutifolia, Pekin C.....db	.20	1.70
ds " divaricata, Spreading C.....	.40	3.50
ds " francheti, Franchet C. ....	.40	3.50
es " horizontalis, Rock C.....	.50	4.50
es " microphylla, Rockspray.....	.55	5.00
ds " pannosa, Silverleaf C. ....	.40	3.50
ds CRATAEGUS arnoldiana, Arnold H.....db	.15	1.25
dt " coccinea, Thicket H. ....db	.15	.90
dt " cordata, Washington H.....	.15	1.25
ds " crugalli, Cockspur H.....	.15	1.00
ds " mollis, Downy H.....	.15	1.25
ds " monogyna, English H. ....c	.15	1.40
ds " oxyacantha, English H. ....c	.15	1.40
" pyracantha, see Pyracantha coccinea.		
ds CYDONIA japonica, Flowering Quince.....c	.60	5.00
ds " japonica, imported .....	.45	4.00
ds " oblonga (vulgaris), Common Q.....	.45	4.00
ds CYRILLA racemiflora, Leatherwood.....db	.20	1.50
CYTISUS, see also Laburnum.		
ds " scoparius, Scotch Broom.....	.20	1.50
ds DAPHNE mezereum, February Daphne.....c	.70	6.00
dt DIOSPYROS kaki, Kaki Persimmon.....	.25	2.00
dt " lotus, Dateplum.....	.20	1.50
dt " virginiana, Common P.....	.15	.65
DRACAENA, see Palm seeds.		
ds EDGEWORTHIA chrysantha, Golden Papertree.....	.40	3.50
ds ELAEAGNUS angustifolia, Russian-Olive.....	.15	.90
ds " argentea, Silverberry.....	.20	1.80
ds " longipes (edulis) Cherry E.....	.30	2.60
ds " umbellata, Autumn E. (domestic).....c	.25	2.40
dt ENKIANTHUS campanulatus, Redvein E.....	1.00	9.00
et ERIOBOTRYA japonica, Loquat.....	.40	3.50
et EUCALYPTUS calophylla, Port Gregory Gum.....	1.50	13.00
et " corynocalyx, Sugar Gum.....	1.00	9.00
et " globulus, Blue Gum.....	.90	8.00
et " leucoxylon, White Ironbark	1.00	9.00
et " punctata, Leatherjack.....	.90	8.00
et " resinifera, Mahogany Gum.....	1.00	8.50
et " robusta, Brown Gum.....	.50	4.50
et " rostrata, Greek Gum.....	.50	4.50
et " rudis, Desert Gum .....	.90	8.00
et " tereticornis, Slatd Gum.....	.90	8.00
et " viminalis, Manna Gum.....	.85	7.50
es EUGENIA uniflora, Surinam Cherry	1.80	
es EUONYMUS alatus, Winged E.....	.35	3.00
ds " americanus, Brook E.....	.20	1.75
ds " atropurpureus, Wahoo.....	.20	1.80
ds " europaeus, European Burningbush.....	.25	2.00
es " japonicus, Evergreen E.....	.35	3.20
ev " radicans, Wintercreeper.....	.40	3.60
ds EXOCHORDA grandiflora, Common Pearlbush.....	.35	3.00
dt FAGUS americana, American Beech.....	.15	1.40
dt " sylvatica, European B.....	.15	1.40
dt " sylvatica purpurea, Purple B.....	.35	3.00
FICUS see under Tropical Seeds.		
dt FRAXINUS americana, White Ash.....	.15	1.20
dt " excelsior, European Ash.....	.15	1.20
dt " lanceolata (viridis), Green Ash.....	.15	.70
dt " ornus, Flowering Ash.....	.15	1.00
dt " velutina (arizonica) Arizona Ash.....	.15	1.40
ds FREMONTIA californica, Fremontia..... $\frac{1}{4}$ -Oz. \$1.00	3.50	
es GARDENIA florida, Cape-Jasmine.....c	.50	4.60
es GAULTHERIA procumbens, Wintergreen.....db	.50	4.80
GENISTA, see under Cytisus.		
GINKGO, see under Conifers.		
dt GLEDITSIA triacanthos, Honeylocust.....	.15	1.00
dt " triacanthos inermis, Thornless H.....	.20	1.70
et GORDONIA lasianthus, Loblolly-Bay .....	.25	2.00
et GREVILLEA robusta, Silk-Oak.....	1.00	9.00
dt GYMNOCLADUS dioica, Kentucky Coffeetree.....	.15	1.30
dt HALESIA tetraptera, Great Silverbell.....	.15	1.25

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

		OZ.	LB.
ds	HAMAMELIS japonica, Japanese Witch-hazel.....	1.20	10.00
ds	" virginiana, Common W.....	.20	1.60
es	HESPEROYUCCA whipplei (Yucca wh.) Chaparal Yucca.....	.55	5.00
	HETEROMELES, see under Photinia.		
ds	HIBISCUS syriacus, Shrub-Althea .....	.15	1.20
		10	100
		Lb.	Lbs.
dt	HICORIA alba (Carya tomentosa) Mockernut.....	.35	2.40 14.00
	" cordiformis (C. amara) Bitternut.....	.35	2.40 14.00
dt	" glabra (C. porcina) Pignut.....	.35	2.40 14.00
dt	" laciniata (C. sulcata) Shellbark H.....	.40	2.50 17.00
dt	" minima, see H. cordiformis.		
dt	" ovata (C. alba) Shagbark H.....	.35	2.40 14.00
dt	" pecan (C. olivaeformis) Pecan.....	.65	6.00 50.00
		OZ.	LB.
ds	HIPPOPHAE rhamnoides, Common Sea-Buckthorn.....	.30	2.60
dt	HOVENIA dulcis, Raisintree.....	.40	3.50
ds	HYDRANGEA paniculata, Panicle H.....	.45	4.00
dv	" petiolaris (scandens) Climbing H.	1.00	8.50
et	ILEX aquifolium, English Holly.....	.25	2.40
es	" cassine (dahoon), Dahoon.....	.20	1.70
es	" cornuta, Chinese H.....	.45	4.20
es	" crenata, Japanese H.....	.35	3.00
es	" glabra, Inkberry.....	.15	.80
es	" integra, Japanese H.....	.35	3.00
et	" opaca, American H.....	.15	.70
ds	" sieboldi, Siebold H.....	1.00	8.50
ds	" verticillata, Common Winterberry.....	.15	1.00
es	" vomitoria, Yawpon.....	.20	1.70
et	ILLICIUM anisatum, Japanese Anisetree.....	.40	3.50
dt	JACARANDA ovalifolia (mimosaeifolia) Green-Ebony db	.85	
		Lb.	Lbs.
		10	100
dt	JUGLANS californica, California Walnut.....	.60	5.50 50.00
dt	" cinerea, Butternut.....	.20	1.80 16.00
	" cordiformis, see sieboldiana cordiformis.		
dt	" hindsii, Hinds W.....	.75	7.00
dt	" nigra, Black W.....	.20	1.60 14.00
dt	" regia (China) Persian English W.....	1.20	10.50
dt	" sieboldiana, Japanese W.....	.65	6.25 60.00
dt	" sieboldiana cordiformis, Flat W.....	.60	5.75 55.00
		OZ.	LB.
es	KALMIA latifolia, Mountain-Laurel .....	.15	1.20
dt	KOELREUTERIA paniculata, Goldenrain-tree.....	.15	1.35
dt	LABURNUM alpinum, Scotch L. ....	.25	2.00
ds	LABURNUM vulgare, Goldenchain.....	.15	1.40
ds	LAGERSTROEMIA indica, Common Crapemyrtle in colors .....	.30	2.60
et	LAUROCERASUS caroliniana, Cherry-laurel.....	.15	1.00
et	" lusitanica, Portugal-Laurel .....	.20	1.60
et	" officinalis (P. laurocerasus), English C.-L.....	.20	1.60
	LAURUS, see also Benzoin, Laurocerasus.		
et	" nobilis, Grecian Laurel.....	.20	1.80
	LAURUSTINUS, see under Viburnum tinus.		
es	LEUCOTHOE catesbaei, Drooping Laurel.....	.20	1.75
es	LIGUSTRUM amurense, Amur Privet South.....	.15	.70
ds	" ibota, Ibota P.....	.15	.80
es	" japonicum, Japanese P.....	.15	.90
es	" lucidum, Glossy P.....	.15	1.10
es	" nepalense, Nepal P.....	.20	1.60
	LINDERA, see Benzoin.		
dt	LIQUIDAMBAR styraciflua, Sweetgum.....	.30	2.80
dt	LIRIODENDRON tulipifera, Yellow Poplar Tuliptree...	.15	.90
ds	LONICERA tatarica, Tatarian Honeysuckle.....	.50	4.60
ds	" xylostium, European Fly H.....	.45	4.00
dt	MACLURA pomifera (aurantiaca) Osage-Orange.....	.20	1.60
dt	MAGNOLIA acuminata, Cucumbertree.....	.25	2.00
et	" glauca, Sweetbay.....	.20	1.75
et	" grandiflora, Southern M.....	.15	1.40
dt	" hypoleuca, Silver M. ....	.45	4.20
dt	" kobus, Kobus M. ....	.40	3.50
dt	" soulangeana, Saucer M.	1.00	8.00
dt	" tripetala, Umbrella M.....	.25	2.00

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

		OZ.	LB.	
es	MAHONIA aquifolium, Oregon Grape (domestic).....db	.20	1.80	
es	" aquifolium (imported) .....c	.30	2.80	
es	" bealei (japonica) Leatherleaf H.....c	.75	6.50	
es	" nervosa, Longleaf H.....c	.60	5.50	
	MALUS, see under Fruit Seeds.			
dt	MELIA azedarach, Chinaberry.....	.15	.50	
dt	" azedarach umbraculiformis, Texas Umbrellatree.....	.15	.60	
ds	MERATIA praecox (Calycanthus p.) Wintersweet.....	.45	4.00	
es	MICHELIA (Magnolia) fuscata, Banana-shrub.....	.75		
dt	MORUS alba, White Mulberry.....	.35	3.00	
dt	" alba tatarica, Russian M.....	.30	2.80	
ds	MYRICA carolinensis, Northern Bayberry.....	.20	1.80	
ds	" cerifera, Southern B.....	.20	1.80	
et	MYRTUS communis, true Myrtle .....db	.20	1.50	
dt	NANDINA domestica, domestic seed.....db	.30	2.50	
dt	" domestica, imported seed.....c	.40	3.50	
	NEGUNDO, see Acer negundo.			
dt	NYSSA aquatica, Big Tupelo.....	.15	1.40	
dt	" sylvatica, (multiflora) Tupelo Blackgum.....	.15	1.40	
	ORANGE, see under Citrus.			
dt	OSTRYA virginiana, American Hophornbeam.....	.35	3.00	
ds	OXYDENDRUM arboreum, Sourwood.....db	.15	.85	
ds	PAEONIA suffruticosa (moutan) Tree P.....	.80	7.00	
dt	PAULOWNIA tomentosa (imperialis), Princess tree.....	.25	2.25	
dt	PHELLODENDRON amurense, Amur Corktree.....	.45	4.20	
dt	" lavallei, Lavalle Cork Tree.....	.35	3.00	
ds	PHILADELPHUS inodorus, Scentless Mockorange.....	.40	3.80	
dt	PHYLLOCARPUS septentrionalis, Monkeyflower tree....	.70	6.50	
et	PHOTINIA arbutifolia (Heteromeles), Christmasberry....	.25	2.00	
es	" glabra, Japanese P. ....c	1.30	11.00	
es	" serrulata, Low P. ....c	.45	4.00	
es	" villosa, Hairy P. ....c	.40	3.50	
es	PIERIS floribunda, Mountain Andromeda.....c			
es	" floribunda, Mountain Andromeda.....db	.25	2.25	
es	" japonica, Japanese Andromeda.....c	1.00	8.50	
ds	" mariana, Staggerbush.....db	.20	1.80	
dt	PISTACIA atlantica, Mount Atlas Pistache.....	.20	1.60	
dt	" chinensis, Chinese Pistache.....	.20	1.80	
es	PITTOSPORUM tobira, Tobira.....c	.40	3.50	
dt	PLATANUS occidentalis, American Planetree.....	.15	.80	
dt	" orientalis, European P.....	.15	1.10	
dt	POINCIANA regia, Royal Poinciana.....	.30	2.80	
	PONCIRUS, see Citrus.			
dt	POPULUS deltoides, Southern Cottonwood.....	.15	1.40	
dt	PRUNUS americana, American Plum.....	.15	1.40	
dt	" avium, Mazzard Cherry, See Fruit Seeds.....c	.15	1.00	
	" caroliniana, see Lauracerasus c.			
	" davidiana, see Amygdalus d.			
et	" ilicifolia, Hollywood Cherry.....	.20	1.50	
	" laurocerasus, see Laurocerasus officinalis.			
et	" lyoni (integrifolia), Catalina Cherry.....	.20	1.60	
dt	" mahaleb, Mahaleb Cherry, see Fruit Seeds.....	.20	1.50	
dt	" myrabolana, Myrabolan Plum, see Fruit seeds.....	.15	1.20	
dt	" serotina, Black Cherry.....	.15	.90	
dt	" virginiana, Common Chokeberry.....	.15	.90	
dt	PTELEA trifoliata, Common Hoptree.....	.15	1.20	
dv	PUERARIA thunbergiana, Kudzu-Bean.....	.25	2.25	
es	PYRACANTHA coccinea, Scarlet Firethorn.....	.15	1.25	
es	" coccinea lalandi, Laland F.....	.20	1.80	
es	" coccinea yunnanensis, Yunnan F.....	.25	2.00	
	PYRUS, see Aronia, Cydonia, Sorbus, Fruit Seeds.			
		1 lb	10 lbs	100 lbs
et	QUERCUS acuta, Japanese Evergreen Oak.....	1.60	14.00	
et	" agrifolia, California Live Oak.....	1.00	9.00	
dt	" alba, White O. (November only).....	.40	3.00	14.00
dt	" coccinea, Scarlet O.....	.50	4.20	26.00
dt	" falcata (digitata) Southern Red O.....	.50	4.20	22.00
dt	" laurifolia, Laurel O.....	.50	4.20	24.00
dt	" lyrata, Overcup O.....	.50	4.20	23.00
dt	" macrocarpa, Overcup Oak.....	.50	4.20	26.00
et	" nigra (aquatica), Water O.....	.50	4.20	22.00
	" obtusiloba, see Qu. stellata.			
dt	" palustris, Pin O.....	.50	4.40	28.00
dt	" phellos, Willow O.....	.50	4.20	26.00

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

QUERCUS (Cont'd)		1 lb	10 lbs	100 lbs
dt	" prinus, Chestnut O. (November only).....	.50	4.20	22.00
dt	" rubra, Common Red O.....	.40	3.80	19.00
dt	" stellata, Post O.....	.50	4.20	23.00
dt	" velutina (tinctoria), Black O.....	.50	4.20	22.00
et	" virginiana, Live O.....	.70	6.00	48.00
			OZ.	LB.
ds	RHAMNUS caroliniana, Carolina Buckthorn.....		.20	1.60
ds	" cathartica, Common B.....		.25	2.00
ds	" frangula, Glossy B.....		.20	1.80
dt	" purshiana, Cascara B.....		.35	3.20
es	RAPHIOLEPIS indica, India, India-Hawthorn.....		.25	2.40
es	" umbellata (japonica) Yeddo H.....		.40	3.50
es	RHODODENDRON californicum, Coast Rh.....	c	2.20	
es	" carolinianum, Carolina Rh.....	db	.40	3.50
es	" carolinianum.....	c	1.40	11.50
es	" catawbiense, Catawba Rh.....	db	.40	3.50
es	" catawbiense.....	c	1.00	9.00
es	" catawbiense compactum.....	db	.40	3.80
es	" catawbiense compactum.....	c	1.00	9.00
es	" keiskei, Keiske Rh..... 1/4-oz. \$2.50.....		7.50	66.00
es	" maximum, Rosebay Rh.....	db	.35	3.50
es	" maximum.....	c	.80	7.50
es	" metternichi, Leatherleaf Rh.	c	2.25	20.00
es	" ponticum, Pontic R.	c	2.25	20.00
ds	RHODOTYPOS kerrioides, Jetbead.....		.30	2.60
ds	RHUS canadensis (aromatica) Fragrant Sumach.....		.15	1.40
ds	" copallina, Shining S.....		.15	.90
dt	" cotinus, Common Smoketree, Purple Fringe.....	c	.35	3.00
ds	" glabra, Smooth S.....	db	.15	.90
ds	" typhina, Staghorn S.....	db	.15	1.00
ds	ROMNEYA coulteri, Canyon-Popy		2.00	18.00
ds	ROSA blanda, Meadow Rose.....	db	.50	1.40
ds	" canina, Dogbrier.....	c	.15	.80
	" carolina, see R. palustris.			
ds	" humilis, Pasture R.....	db	.20	1.50
ds	" lucida, Virginia R.....	db	.20	1.50
ds	" multiflora, Japanese R. (stocks).....		.25	2.00
ds	" nitida, Bristly R.....	db	.20	1.50
ds	" palustris, Swamp R.....	db	.20	1.50
ds	" rubiginosa, Sweetbrier.....	db	.25	2.20
ds	" rubrifolia, Redleaf R.....	db	.25	2.20
ds	" rugosa, Rugosa Rose.....	db	.30	2.60
ds	" rugosa.....	c	.25	2.00
ds	" setigera, Prairie R.....	db	.20	1.50
ds	" wichuraiana, Wichurian R.....		.25	2.40
SALISBURIA, see under Ginkgo (Conifers).				
ds	SAMBUCUS canadensis, American Elder.....	db	.15	1.20
ds	" nigra, European E.....	c	.30	2.50
ds	" racemosa, European Red E.....	db	.30	2.60
dt	SAPIUM sebiferum, Chinese Tallow-tree.....		.25	2.20
dt	SASSAFRAS variifolium, Common S.....		.15	1.20
dt	SCHINUS molle, California Peppertree.....		.20	1.60
dt	" therebinthifolium, Brazilian P.....		.30	2.50
es	SKIMMIA japonica, Japanese Skimmia.....	c	.55	5.00
dt	SOPHORA japonica, Chinese Scholartree.....		.20	1.50
dt	SORBUS americana, American Mountain-Ash.....	db	.15	1.00
	" arbutifolia, see Aronia.			
dt	" aucuparia, European M.....	db	.15	1.40
SPARTIUM, see also under Cytisus				
ds	" junceum, Weaversbroom.....		.20	1.80
dt	SPATHODEA campanulata, Fountain tree, 1/4-oz. \$1.50.....		4.80	
ds	" pinnata, European B.....		.20	1.80
dt	STERCULIA platanifolia, Chinese Parasoltree.....		.25	2.00
ds	STEWARTIA pentagyna, Mountain Stewartia.....		.65	6.00
ds	" pseudocamellia, Japanese Ash.....		.70	6.50
STILLINGIA, see under Sapium.				
ds	STYRAX americana, American Snowbell.....		.20	1.60
ds	" japonica, Japanese S.....		.25	2.25
ds	" obassia, Fragrant S.....		.35	3.40
et	SWIETENIA mahogany, True Mahogany.....		.70	6.50
ds	SYMPHORICARPOS racemosus, Common Snowberry....		.30	2.50
ds	" vulgaris, Snowberry.....		.20	1.75
ds	SYRINGA japonica, Japanese Tree Lilac.....	c	1.10	9.50
ds	" vulgaris, Common L.....	db	.20	1.50
ds	" vulgaris.....	c	.40	3.60
ds	" vulgaris alba, White Flowering L.....	c	.50	4.80

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

	OZ.	LB.
TECOMA, see also under Bignonia.		
dv " stans, Florida Trumpetbush.....	3.50	
es THEA sinensis, Tea.....	.20	1.80
es " bohea, Bohea Tea.....	.25	2.25
dt TILIA americana, American Linden.....	.20	1.60
dt " cordata, Littleleaf (Winter) Linden.....	.20	1.40
dt " platyphyllos, Bigleaf (Summer) L.....	.20	1.40
dt " tomentosa, (argentea), Silver L.....	.20	1.40
dt " vulgaris, Common European L.....	.20	1.40
dt ULMUS americana, American Elm (May 1932).....	.15	1.20
dt " parvifolia, Chinese Elm.....	.35	3.00
dt " pumila, Siberian Elm, domestic (May 1932).....	.65	5.50
dt " pumila, imported (July 1932).....c	.40	3.50
ds VIBURNUM acerifolium, Mapleleaf V.....db	.15	1.00
ds " alnifolium, Hobblebush, (V. lantanoides).....db	.20	1.60
ds " americanum, American Cranberrybush.....db	.20	1.60
ds " carlesi, Fragrant V.....	.75	6.50
ds " cassinoides, Witherod.....db	.15	1.20
ds " dentatum, Arrowwood.....db	.15	1.20
ds " dilatatum, Linden V.....c	.35	3.00
ds " lantana, Wayfaring-tree.....db	.20	1.80
ds " lantana.....c	.25	2.00
dt " lentago, Nannyberry.....	.15	1.20
dt " molle, Kentucky V.....c	.85	8.00
ds " nudum, Smooth Witherod.....db	.15	1.10
es " odoratissimum, Sweet V.....c	.40	3.80
ds " opulus, European Cranberrybush.....db	.30	2.60
ds " oxycoccos, see V. americanum.		
ds " prunifolium, Blackhaw.....	.15	1.40
ds " rhytidophyllum, Leatherleaf V. ....db	.40	3.50
dt " sieboldi, Siebold V.....	.40	3.50
es " tinus, Laurustinus.....c	.20	1.60
ds " tomentosum, Japanese Snowball.....	.40	3.50
ds " wrighti, Wright V.....c	.45	4.00
VIRGILIA, see Cladrastis.		
ds VITEX agnus-castus, Lilac Chaste-tree.....	.15	1.20
dv VITIS aestivalis, Summer Grape.....c	.30	2.60
dv " berlandieri, Winter Grape.....c	.30	2.60
dv " candicans, Mustang G.....c	.30	2.60
dv " coignetiae, Gloryvine.....c	.25	2.40
ds " cordifolia, Frost G.....c	.30	2.60
dv " labrusca, Fox G.....c	.35	3.20
dv " rotundifolia, Muscadine G.....c	.35	3.20
dv WISTERIA frutescens magnifica, American W.....	.35	3.20
dv " multijuga, Longcluster W. blue.....	.40	3.80
dv " multijuga alba, White Longcluster W.....	.55	5.00
dv " sinensis, Blue Chinese W. ....	.20	1.70
dv " sinensis alba, White W.....	.40	3.60
es YUCCA baccata, Banana Y. ....	.55	5.00
es " brevifolia, Shortleaf Y.....	.55	5.00
es " filamentosa, Common Y. Beargrass.....	.30	2.60
es " glauca (angustifolia) Soapweed Y. ....	.25	2.20
es " gloriosa, Moundlily Y.....	.40	3.50
es " whipplei, see Hesperoyucca		
dt ZANTHOXYLUM americanum, Common Prickly-Ash....	.35	3.00
dt ZELKOVA serrata, Sawleaf Z.....	.30	2.80
dt ZIZYPHUS jujuba, Common Jujube.....	.25	2.40

ORDER EARLY AND PREPARE THE SEEDS FOR SUCCESSFUL PLANTING.

OUR PAMPHLET "HOW TO MAKE TREE SEEDS GROW," GIVES PRACTICAL INSTRUCTIONS.

IT SELLS FOR 25 CENTS BUT WE SEND IT FREE ON REQUEST TO OUR CUSTOMERS.

Katzenstein's Seeds with a Reputation for Growing

ULMUS PUMILA

Chinese or Siberian Elm

Tree growing from 40 to 50 feet tall with a trunk 4 to 8 feet in girth. The bark is rough and deeply corrugated. The branches are spreading and ascending, forming a bushy crown. Under cultivation it grows rapidly and makes a neat shapely tree. Leaves ovate to ovate-lanceolate 3 to 12 cm long, acute at the apex, nearly equal at the base, thin, dark-green above, pubescent when young, underneath, regularly and simply or doubly toothed. Flowers short-stalked, in crowded clusters, 4 to 5 parted with yellow anthers, appearing in spring. Fruit obovoid, notched deeply at the apex; nutlet central, reaching close to the base of the notch. Fruit ripens often soon after leaves are open.

NOTES:

This species is commonly used by the Chinese in the alluvial plains, for village trees, and for planting between fields, particularly along irrigation ditches. The trees grow rapidly and attain diameters at breast-height of 20 inches. The wood is much used for furniture, some for building construction and for the construction of cart-frames and cart-beds. It is used as a grave-tree planted in groves and attaining quite good form in altitudes of 4,500 feet. Apparently few other trees thrive there. It is also noted as planted along dry roadsides where it is cut back almost every year for fuel. It then takes on a characteristic shrubby form which may confuse its identity with the tree. It will stand quite dry conditions but requires a deep pervious soil for a good development of its roots.

Domestic Seed (ready May-June) from Northwest—
65c per oz., \$5.50 per lb.

Imported seed (ready in July) from North China—
40c per oz., \$3.50 per lb.

ULMUS PARVIFOLIA

Chinese Elm

Tree, rarely up to 75 feet with a trunk 4½ to 7 feet in girth. Bark is gray, smooth. On old trees it peels off in roundish patches, showing the brown inner bark. On young trees it is merely scaly. Branches are numerous and slender and form a rather broad, rounded crown. *It grows often slowly.* Leaves rather leathery, ovate to obovate or oblong, acute or somewhat obtuse, slightly oblique at the base; simply serrate, shiny green, glabrous above, pubescent beneath, when young; usually glabrous at maturity, 2 to 5cm long. Petiole is very short. It flowers in September and fruit ripens in October or November. Flowers clustered, fruit oval to elliptic, emarginate at apex with nutlet in the centre of the wing, 9-13 mm. long.

NOTES:

A much more beautiful and graceful tree, particularly for ornamental purposes, than *Ulmus pumila*. The branches are long and graceful with a drooping effect at the ends which make the perfect vase form used as a descriptive term for elms. The branches are thin and long and swing in the wind very gracefully. The foliage has a lacy and fine textured appearance. It requires a deep soil, thriving best in a alluvium or loess, where root development to considerable depth is rendered possible. It is a slow grower.

Ready in December. 40c per oz., \$3.60 per lb.

The seeds of these two Elms are rather perishable and orders should be placed well in advance of the ripening of the crops.

Fruit Seeds

	oz.	1 lb.	10 lbs.	100 lbs.
ALMOND .....	.15	.80	7.00	65.00
APPLE, French Crab.....	.20	1.30	12.00	95.00
" Austrian .....	.15	1.20	11.00	100.00
" German, from Wild Seedlings.....	.20	1.40	13.00	120.00
APRICOT, Russian .....	.15	.40	3.20	22.50
AVOCADO (<i>Persea gratissima</i>) \$2.00—10s; \$17.50—100s; \$150.00—1000s.				
BUTTERNUT, see <i>Juglans cinerea</i> on page 9.				
CHERRY, Mahaleb, washed .....	.20	1.50	12.50	110.00
" Mazzard, washed.....	.15	1.10	10.00	
CHESTNUT, see under <i>Castanea</i> on page 7.				
CITRUS TRIFOLIATA, Hardy Orange.....	.25	2.10	18.00	160.00
HAZELNUT, see <i>Corylus</i> on page 8.				
HICKORY, see under <i>Hicoria</i> on page 9.				
LEMON, see under <i>Citrus</i> on page 7.				
ORANGE, see under <i>Citrus</i> on page 7.				
PEACH, Chinese Wild.....	.15	1.20	11.00	
" Naturals, small seed .....	.15	.30	2.50	12.50
PEAR, Austrian Wild .....	.15	1.40	13.00	120.00
" French.....	.40	3.20	30.00	270.00
" German, from true Wild trees.....	.30	2.00	18.50	170.00
" Chinese, <i>Pyrus calleryana</i> , true.....	1.00	9.00	85.00	
" Japanese, <i>P. ussuriensis</i>.....	.85	7.50	70.00	
" Late Jap Pear, <i>P. serotina</i>.....	.80	7.00	65.00	
PECAN, see under <i>Hicoria pecan</i> on page 9.				
PERSIMMON, see under <i>Diospyros</i> on page 8.				
PLUM, American, <i>Prunus americana</i>.....	.15	1.40	12.50	
" Myrabolan, <i>P. myrabolana</i>.....	.15	1.20	9.00	80.00
" St. Julien .....	.15	1.00	8.00	
QUINCE, <i>Cydonia oblonga</i>.....	.45	4.00		
WALNUT, see under <i>Juglans</i> on page 9.				

Seeds of Palms, Tropical and Subtropical Plants

IMPORTANT: Palm seeds should be cared for by the planter as soon as possible after ripening and gathering, and as many kinds listed by us must be shipped to us over long distances, orders should be in our hands as early as possible to have best care.

	100s	1000s	Oz.	Lb.
<i>Adenanthera pavonina</i> , Red Sandalwood.....	.....	.....	.50	4.00
<i>Archonotophoenix alexandrae</i> , Alexandra P.	.45	4.00	.....	.....
" <i>elegans</i> , Queensland Seaforthia.....	.40	2.80	.....	.....
<i>Areca alba</i> , see <i>Dictyosperma</i> .				
" <i>baueri</i>	2.40	.....	.....	.....
" <i>catechu</i>.....	.90	6.50	.....	.....
" <i>lutescens</i> , see <i>Chrysalidocarpus</i> .				
<i>Arenga saccharifera</i> , Sugar P.....	1.50	12.50	.....	.....
<i>Bauhinia</i> , see page 7.				
<i>Brahea</i> , see <i>Washingtonia</i> .				
<i>Caesalpinia</i> , see <i>Poinciana</i> .				
<i>Calophyllum inophyllum</i> , Hawaiian Kamani	5.00	.....	.....	.....
<i>Carica papaya</i> , Papaya.....	.....	.....	.75	6.00
<i>Carludovica palmata</i> , Panama Hat P.....	.40	3.20	.....	.....
<i>Caryota mitis</i> , Fishtail P.....	1.10	8.00	.....	.....
" <i>urens</i> , Toddy P.....	1.10	8.00	.....	.....
<i>Cassia alata</i> , Apulco Ringworm C.....	.....	.....	.90	.....
" <i>fistula</i> , Golden Shower.....	.....	.....	.90	.....
" <i>glauca</i> , Glossy Shower.....	.....	.....	.90	.....
" <i>grandis</i> , Pink Sh.....	.....	.....	.90	.....
" <i>laevigata</i> , Smooth Senna.....	.....	.....	.90	.....
" <i>nodosa</i> , Pink and White Shower.....	.....	.....	.90	.....
" <i>siamea</i> , Siamese Shower.....	.....	.....	.90	.....
<i>Casuarina</i> , see page 7.				
<i>Ceiba pentandra</i> , Ceiba .....	.45	3.50	.....	.....
<i>Chamaerops excelsa</i> , see <i>Trachycarpus</i> .				
" <i>humilis</i> , Hair P.....	1.20	8.50	.....	.....
<i>Chrysalidocarpus lutescens</i> , Yellow Areca.....	.70	6.00	.....	.....

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

	100s	1000s	Oz.	Lb.
Cocos australis, Pindo P.....	.75	6.50	-----	-----
“ campestris, Field P.....	.70	5.50	-----	-----
“ plumosa, San Diego P.....	.75	6.00	-----	-----
“ romanzoffiana, Romanzoff P.....	.80	7.00	-----	-----
“ weddelliana, Weddell P.....	2.00	17.00	-----	-----
Cordyline australis, Green Dracena.....	-----	-----	2.60	-----
“ indivisa, Blue D.....	-----	-----	.60	5.50
Cycas revoluta, Sago P.....	3.20	26.00	-----	-----
Dictyosperma album, White Areca.....	.65	5.60	-----	-----
Dracaena draco, Dragontree.....	-----	-----	.45	3.50
Elaeis guineensis, African Oil P.....	1.20	9.00	-----	-----
Eriobotrya japonica, Loquat.....	-----	-----	.50	4.50
Erythea armata, see Glaucothea.				
“ brandegeei, Brandeggee P.....	.90	7.00	-----	-----
“ edulis, Guadalupe P.....	1.40	10.00	-----	-----
Eucalyptus, see page 8.				
Ficus elastica, India Rubbertree.....	.40	2.50	-----	-----
Glaucothea armata, Blue P.....	1.20	9.00	-----	-----
Grevilla robusta, Silk-Oak.....	-----	-----	1.00	9.00
Howea belmoreana, Belmore Palm.....	5.50	-----	-----	-----
“ forsteriana, Forster P.....	4.50	-----	-----	-----
Jubaea spectabilis, Syrup P.....	2.00	-----	-----	-----
Latania borbonica, see Livistona sinensis.				
“ loddigesii.....	1.50	11.00	-----	-----
Licuala grandis.....	2.40	-----	-----	-----
Livistona (Corypha) australis, Australian				
Fan P.....	1.10	8.00	-----	-----
“ rotundifolia, Java Fan P.....	2.50	20.00	-----	-----
“ sinensis (Latania borbonica), Chinese				
Fan P.....	.40	3.00	-----	-----
Macadamia ternifolia, Queensland Nut.....	-----	-----	.30	2.80
Muntingia calabura, Jamaica-cherry.....	1.60	14.00	-----	-----
Oreodoxa, see Roystonea.				
Pandanus tectorius, Screwpine.....	2.00	-----	-----	-----
Phoenix canariensis, Canary Date P.....	.30	1.80	-----	-----
“ cycadifolia.....	.65	5.60	-----	-----
“ dactylifera, Date P.....	.40	2.80	-----	-----
“ farinifera.....	.65	5.60	-----	-----
“ glauca.....	.70	5.00	-----	-----
“ leonensis, Senegal Date P.....	.50	3.60	-----	-----
“ pumila, Dwarf Date P.....	.50	4.00	-----	-----
“ reclinata, Senegal Date P.....	.50	4.00	-----	-----
“ roebelini, Roebelin Date P.....	.90	7.50	-----	-----
“ rupicola, Cliff Date P.....	.75	6.00	-----	-----
“ sylvestris, India Date P.....	.60	5.00	-----	-----
Poinciana regia, Royal Poinciana.....	-----	-----	.30	2.80
“ pulcherrima (Caesalpinia) Flower-fence	.55	4.20	-----	-----
Pritchardia filifera.....	.45	2.20	-----	-----
“ pacifica (Corypha umbraculif).....	1.00	8.00	-----	-----
Ravenala madagascariensis, Travellers Palm	3.00	25.00	-----	-----
Rhapis flabelliformis, Fern P.....	2.25	-----	-----	-----
Roystonea regia (Oreodoxa), Royal P.....	.50	4.00	-----	-----
Sabal blackburneana, Blackburn P.....	.90	7.00	-----	-----
“ palmetto, Carolina P.....	.55	5.00	-----	-----
Schizolobium excelsum, Brazilian Shower.....	1.40	-----	-----	-----
Seaforthia elegans.....	.40	2.50	-----	-----
Spathodea campanulata, Fountain-tree ¼-oz	\$1.40	-----	4.80	-----
Swietenia mahoganii, True Mahogany.....	-----	-----	.70	6.50
Tecoma stans, Florida Trumpet bush.....	-----	-----	3.50	-----
Templetonia retusa, Melbourne Coralbush.....	1.00	-----	-----	-----
Thrinax altissima, Thatch P.....	.70	5.00	-----	-----
Trachycarpus excelsa, Windmill P.....	.40	3.20	-----	-----
Washingtonia filifera, Cal. Wash Palm.....	-----	-----	.30	2.00
“ robusta, Mexican Wash P.....	-----	-----	.30	2.20
“ sonorae, Mexican W. P.....	-----	-----	.40	2.60

Ask for Special List of Seeds from the Philippine Islands.

WRITE US REGARDING OTHER KINDS OF PALM, ETC.,
SEEDS FOR WHICH YOU ARE IN THE MARKET, SO THAT
WE MAY QUOTE PRICES.

Lining-Out Stock

S—seedlings. C—cuttings. B—budded. G—grafted. P—potted.
BB—baled and burlaped. X—transplanted once. XX—twice.
These plants are not grown by ourselves but are offered as brokers
and are shipped from different nurseries.

CONIFERS		size	Per 10	Per 100	Per 1,000
Abies balsamea, Balsam Fir.....	4-8" S	.....	.....	2.00	16.50
" concolor, White Fir.....	2-4" S 3 yr	.....	.80	5.00	40.00
" fraseri, Fraser Fir.....	9-12" S	.....	1.50	11.50	105.00
" nordmanniana, Nordmann Fir.....	4-6" X	.....	1.60	12.00	105.00
Cedrus atlantica, Atlas Cedar.....	6-8" S	.....	.75	5.50	42.00
	8-10" S	.....	.90	6.00	50.00
" deodara, Deodar	4-6" S	.....	.90	6.00	50.00
	6-8" S	.....	1.20	8.00	65.00
	8-12" X	.....	3.00	24.00	220.00
Chamaecyparis lawsoniana, Lawson Cy- press	6-8" S	.....	.60	3.00	25.00
	6-8" X	.....	1.00	7.00	.....
	8-10" X	.....	1.40	10.00	.....
" obtusa, Kinoki Cypress.....	6-12" S	.....	.75	5.50	42.00
	8-10" X	.....	1.00	7.00	.....
" obtusa crippsii	4-6" X	.....	1.40	10.00	82.50
" pisifera, Sawara Cypress	6-12" S	.....	.75	5.50	42.00
	12-15" S	.....	1.00	7.00	55.00
Cryptomeria japonica, Common Crypt.....	3-6" S	.....	.80	5.00	35.00
Cupressus arizonica, Arizona Cypress.....	4-6" S	.....	.50	1.20	10.00
	10-12" X	.....	1.40	10.00	.....
Juniperus chinensis femina (Reeves).....	4-6" X	.....	1.70	13.00	120.00
" chinensis pfitzeri	6-8" X	.....	1.40	10.00	82.50
" excelsa stricta, Spiny Greek J.....	4-6" X	.....	1.70	13.00	120.00
" hibernica, Irish Juniper.....	6-12" C 2 yr	.....	1.20	8.00	65.00
(Larger sizes quoted on inquiry).					
" hibernica, fastigiata, Erect I. J.....	4-6" X	.....	1.40	10.00	82.50
" scopulorum, Colorado J.....	6-10" X	.....	2.60	21.00	.....
" virginiana, Redcedar	6-10" S 3 yr	.....	.50	1.60	14.00
Larix dahurica, Dahurian Larch.....	12-16" S 3 yr	.....	1.40	10.00	80.00
" europaea, European L.....	4-8" S	.....	.....	2.00	16.50
" leptolepis, Japanese L.....	16-18" S 3 yr	.....	1.40	10.00	82.50
Picea canadensis, White Spruce.....	2-4" S	.....	.50	1.20	9.50
	4-6" S	.....	.60	3.00	25.00
" excelsa, Norway Spruce.....	2-4" S	.....	.50	1.20	9.50
	4-6" X	.....	.60	3.00	25.00
" excelsa borealis, Polar Spruce.....	3-5" S	.....	.....	2.00	16.50
" mariana (nigra) Black Spruce.....	6-12" S	.....	1.80	14.00	.....
" pungens (glauca) Blue Spruce.....	2-4" S	.....	.50	1.70	13.50
	4-6" S	.....	.65	3.50	25.00
	4-6" X	.....	1.40	10.00	85.00
Pinus nigra, Austrian Pine.....	4-8" S	.....	.....	1.10	8.50
	6-10" S	.....	.80	5.00	35.00
" densiflora, Japanese Red P.....	18-24" S 4 yr	.....	.80	5.00	42.00
" montana mughus, Mugho Pine.....	2-4" S	.....	.....	1.20	9.50
	4-6" S	.....	.60	3.00	25.00
" pinea, Italian Stone Pine.....	8-10" S	.....	.65	3.50	25.00
" ponderosa, Western Yellow Pine.....	4-8" S	.....	.....	1.10	8.50
" strobus, White Pine.....	4-6" S 1 yr	.....	1.00	6.50	50.00
" sylvestris, Scotch Pine.....	6-12" S	.....	.....	1.10	8.50
" thunbergi, Japanese B. P.....	12-16" S 4 yr	.....	.80	5.00	42.00
Pseudotsuga douglasii, Douglas Fir.....	3-5" S	.....	.....	2.00	16.50
Taxus baccata, English Yew.....	2 yr S	.....	1.40	9.00	60.00
" cuspidata, Japanese Yew.....	4-6" S 2 yr	.....	2.00	16.50	140.00
Thuja occidentalis, Amer. Arborvitae.....	2-4" S	.....	.60	2.50	20.00
	4-6" S	.....	.65	3.00	25.00
" orientalis, Oriental Biota.....	3-6" S	.....	.50	1.20	9.50
	6-8" S	.....	.50	2.10	16.50
	2 1/4" pots	.....	1.60	12.00	105.00
" orien. aurea conspicua, Goldspire.....	4-6" X	.....	1.20	9.50	82.50
	2 1/4" pots	.....	1.60	12.00	105.00
" aurea nana, Berckmans Gold. AV.....	4-6" S	.....	1.10	8.50	75.00
" orien. compacta, Compact O. AV.....	3-6" S	.....	.50	1.20	9.50
	6-8" X	.....	1.40	9.50	82.50
" orien. elegantissima Yel. Col. AV.....	6-8" X	.....	1.40	9.50	82.50
" orien. globosa, Globe AV.....	4-8" S	.....	.60	3.00	25.00
" orien. pyramidalis, Or. Pyra- midal AV	6-8" S	.....	.60	3.00	25.00
Tsuga canadensis, Canada Hemlock.....	6-12" X	.....	2.00	17.00	.....
" caroliniana, Carolina Hemlock.....	6-12" X	.....	4.00	34.00	.....

TREES AND SHRUBS

	Size	Per 10	Per 100	Per 1,000
Abelia grandiflora, Glossy Abelia.....	6-12" C	.85	5.50	42.00
	12-15" C	1.40	9.50	82.50
Acer palmatum, Japanese Maple.....	4-6" S	.60	2.40	18.50
	6-8" S	.60	3.00	25.00
selected for grafting.....	6-8" X	1.40	9.50	82.50
Aesculus octandra, Yellow Buckeye.....	6-12" S	1.00	6.00	48.00
Aucuba japonica aureo-maculata.....	12-14" X	6.50	55.00	.....
Azalea amoena, Amoena A.....	2" pots	1.40	10.00	87.50
" hinodegiri, Hinodegiri A.....	2" pots	1.60	12.00	105.00
" kaempferi, Torch A.....	2" pots	1.40	10.00	87.50
" kurume, Flame A.....	2" pots	1.60	12.00	105.00
" mollis, Chinese A.....	2 yr S	1.40	10.00	87.50
" schlippenbachii, Royal A.....	2 yr	1.40	10.00	87.50
Berberis gagnepainii, Black B.....	2 yr X	1.40	10.00	87.50
" thunbergii atropurpurea	1 yr	.65	3.50	25.00
Buxus arborescens, Truetree Box.....	6-8" C	1.00	6.50	55.00
" sempervirens, Common Box.....	4-6" C	.85	5.50	35.00
" suffruticosa, Truedwarf Box.....	4-6" C	1.65	12.50	115.00
Camellia japonica, mixed vars.....	4-6" 2" pots	3.00	25.00	220.00
Celastrus scandens, Bittersweet.....	6-12" S	.85	5.50	42.00
Cornus florida, Flowering Dogwood.....	6-12" S	.50	1.75	13.00
" florida rubra, Red-flow. D.....	10-12" 1 yr	6.00	42.00	.....
Cotoneaster francheti, Franchet C.....	4-6" C	.90	6.00	.....
" pannosa, Silverleaf C.....	4-6" C	.90	6.00	.....
Cydonia japonica, Flowering Quince.....	8-15" S	1.20	8.00	65.00
Cytisus nigricans, Spike Broom.....	1 yr	1.75	13.50	.....
" scoparius, Scotch Broom.....	3-6" S	.85	5.50	42.00
Elaeagnus pungens, Thorny E.....	3-6" S	.60	3.00	25.00
	8-10" S	.85	5.50	42.00
Enkianthus campanulatus, Redvein E.....	1 yr	1.50	10.00	.....
Euonymus japonicus, Evergreen E.....	4-6" S	1.00	6.50	.....
	12-15" C	1.70	13.00	.....
" microphyllus, Small-leaf E.....	1 yr	1.25	9.00	.....
Hamamelis virginiana, Witch-Hazel.....	3-6" S	1.20	8.00	65.00
Lagerstroemia indica, Crepe myrt., F.G.....	1-2" S	6.00	42.00	.....
Laurocerasus caroliniana, Cherry-L.....	4-6" S	.60	2.40	18.50
	6-8" S	.60	3.00	25.00
Ligustrum amurense, Amur Privet.....	8-15" S	.50	1.20	10.00
" chinense, Chinese P.....	12-15" S	.50	1.75	14.00
" japonicum, Japanese P.....	4-6" S	.50	1.20	10.00
	6-12" S	.60	2.40	18.00
	24-30" X	1.00	7.00	.....
" lucidum Glossy P.....	4-6" S	.50	1.75	13.00
	6-8" S	.60	2.40	18.00
" nepalense, Nepal P.....	8-10" S	.65	3.50	30.00
Magnolia grandiflora, Sou. Magnolia.....	12-18" X	2.25	18.00	.....
Mimosa pudica, Sensitiveplant.....	4-12" S	1.00	6.00	50.00
Nandina domestica	4-6" S	1.00	6.50	60.00
	6-12" S	1.20	7.00	.....
	4-6" X	1.10	8.50	70.00
Photinia serrulata, Low Ph.....	4-6" S	1.80	13.00	120.00
" villosa, Hairy Ph.....	12-18" S	.80	4.80	42.00
Prunus, Japanese Flowering Cherry.....	18-24"	3.00	25.00	.....
Pyracantha angustifolia, Narrowleaf				
Firethorn	1 yr 2" pot	1.40	10.00	.....
" coccinea lalandi, Laland Fire-				
thorn	1 yr 2" pot	1.60	12.00	.....
" kansuensis, Kansu F.....	1 yr 2" pot	1.40	10.00	.....
" rogersiana	1 yr 2" pot	1.40	10.00	.....
" rogersiana aurantiaca	1 yr 2" pot	1.40	10.00	.....
" rogersiana flava	1 yr 2" pot	1.40	10.00	.....
" rogersiana gibbsii	1 yr 2" pot	1.40	10.00	.....
Stranvaesia davidiana	1 yr 2" pot	1.40	10.00	.....
Syringa vulgaris alba, White Lilac.....	6-8" S	.80	5.00	35.00
Ulmus pumila, Siberian Elm.....	10-12" S	1.00	8.50	60.00

F. O. B. Grower's Point

Packing at cost 5, 40 and 400 at 10, and 1000 prices.

WRITE ABOUT OTHER SIZES AND OTHER KINDS

Woodsgrown Trees and Shrubs

We have for many years supplied woodsgrown trees and shrubs in very considerable quantities. This material is splendid value and is suitable for growing on or for landscape effects.

	Size Feet	Per 100	Per 1,000
Abies fraseri, Fraser Fir.....	1½-1	8.50	55.00
Alnus viridis, Green Alder.....	1½-1	11.00	95.00
Aronia arbutifolia, Red Chokeberry.....	1-3	5.50	45.00
Azalea nudiflora, Pinxterbloom.....	1½-1	5.50	45.00
“ vaseyi, Pinkshell A.....	4-12 in.	11.00	95.00
“ viscosa, Swamp Azalea.....	1½-1	6.00	48.00
Cercis canadensis, Redbud.....	1½-1	6.00	52.00
Clethra alnifolia, Summersweet.....	1-2	4.80	41.00
Comptonia asplenifolia, Sweet Fern.....	1-2	11.00	95.00
Cornus florida, White Fl. Dogwood.....	1½-1	4.50	38.00
“ florida.....	1-3	5.00	42.00
Cyrilla racemiflora, Swamp Ironwood.....	1½-1	5.50	45.00
Fothergilla alnifolia, Fothergilla.....	1½-1	6.00	52.00
Ilex glabra, Inkberry.....	1½-1	4.80	41.00
“ glabra, Inkberry.....	1-2	5.50	45.00
“ opaca, American Holly.....	1½-1	5.00	42.00
“ opaca, American Holly.....	1-2	6.00	48.00
“ verticillata, Common Winterberry.....	1-3	4.80	41.00
“ vomitoria, Yawpon.....	1-2	6.00	48.00
Leucothoe catesbaei, Drooping Laurel.....	1-3	4.80	41.00
Liquidambar styraciflua, Sweetgum.....	1-3	4.80	41.00
Liriodendron tulipifera, Tuliptree.....	1½-3	4.80	41.00
Magnolia glauca, Sweetbay.....	4-8 in.	6.00	50.00
“ glauca, Sweetbay.....	8-18 in.	6.50	55.00
Oxydendrum arboreum, Sourwood.....	1-2	4.50	40.00
Pieris lucida, Fetterbush.....	1-2	4.50	40.00
Prunus serotina, Black Cherry.....	1½-1	6.00	48.00
Robinia hispida, Rose-Acacia.....	1-3	4.20	35.00
Stewartia pentagyna, Mountain-Ash.....	1-2	9.50	82.50
Viburnum cassinoides, Witherod.....	1½-2	4.50	38.00
“ nudum, Smooth Witherod.....	1½-2	4.20	35.00
Vinca minor, Periwinkle.....	8-12 stems	3.50	26.00
Zanthorrhiza apiifolia, Yellowroot.....	strong	3.50	26.00

F. O. B. Atlanta or collector's point, packing at cost. 40 and 400 at 100 and 1,000 prices. Special quantity prices.

Flower Seeds

Complying with the request of many friends whom we have been supplying with these seeds for some time to their absolute satisfaction we are offering the following short list of high grade FLOWER SEEDS. We shall gladly quote on and supply any other kinds omitted here.

Large packets 15 cents each.

A-Annual, B-Biennial, P-Perennial, C-Climber, fl-flower.

	¼ Oz.	1 Oz.	¼ Lb.	1 Lb.
P Aconitum fisheri, large pale blue fl.....	.90	3.00	8.50	28.00
A Alyssum, Sweet (A. benthami).....	.15	.35	.90	2.80
A “ Little Gem, Snow-white Carpet.....	.35	1.00	2.60	10.00
A Amaranthus, OK Special mixture.....	.30	.80	2.50	8.00
A “ caudatus, Love-Lies-Bleeding.....	....	.20	.45	1.40
P Anchusa italica, Dropmore var.....	.45	1.50	4.50	14.00
A Antirrhinum, Snapdragon, dwarf mixt.....	.25	1.00	2.60	10.00
A “ Giant-flowered tall mixt.....	.70	1.80	5.50	19.00
P Aquilegia caerulea, Rocky M't'n Colum- bine.....	.80	2.20	6.25	22.00
P “ Longspurred vars O. K. mixture.....	1.00	3.00	9.00	32.00
P “ canadensis, American C.....	.50	1.40	3.00	11.00
A “ plumosus nanus.....	.35	per 100 ;	\$2.80 per	1,000.
A Aster Semple, Giant Branching, mixed.....	.35	.90	3.00	11.00
A “ Giant Comet, mixed.....	.65	1.70	4.60	17.00
A “ Ostrich Feather, mixed.....	.35	1.00	3.80	14.00
A “ Queen of the Market, mixed.....	.35	.90	3.40	12.00

We are in position to supply all kinds and shades of Asters. State your requirements.

P Atropa belladonna, Belladonna.....	.40	1.20	.....	.....
A Balsam, Double Camellia-flowered, O. K. mixed.....	.20	.60	2.10	6.80
A “ finest of all mixtures.....	.35	.90	3.40	12.00
A Calendula, Pot Marigold, Orange King.....	.15	.35	.90	2.80
A “ good mixture.....	.15	.20	.55	1.80

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

	$\frac{1}{4}$ Oz.	1 Oz.	$\frac{1}{4}$ Lb.	1 Lb.
A Calliopsis, O. K. mixture.....	.35	.90	2.65	9.50
A " Dwarf sorts mixed.....	.15	.45	1.20	4.50
A Candytuft, all color mixed.....	.15	.25	.60	2.00
B Campanula, Canterbury Bells, mixed.....	.20	.45	1.20	4.00
P Carnation, Margaret double flower mixed .....	.35	1.00	2.60	10.00
P " Giant Margaret mixture.....	.90	3.00	8.50	28.00
" See also Dianthus.				
A Celosia, Coxcomb, Ostrich Plume, tall mixed .....	.20	.50	1.60	5.50
A Centaurea cyanus, Cornflower, blue.....	.15	.30	.75	2.50
A " cyanus, many shades mixed.....	.15	.30	.75	2.50
A " imperialis, Giant Sweet Sultan, many color mixed.....	.25	.60	1.80	5.50
A Cosmos, Giant flowering mixture.....	.15	.25	.60	2.00
A " Early flowering Hybrids mixture.....	.15	.35	.90	2.80
P Dahlia, double OK choice mixture.....	1.75	6.00	-----	-----
P " OK special Double and single mix....	1.40	4.80	12.50	46.00
P Delphinium cardinale, Scarlet Larkspur....	.85	2.40	-----	-----
P " belladonna, light blue.....	1.00	3.00	8.00	30.00
P " OK Gold Medal mixture.....	.50	1.40	5.00	18.00
P Dendromecon rigidum, Treepoppy.....	.25	.85	2.50	8.50
A Dianthus chinensis, double fl. mixed.....	.25	.60	1.50	5.00
A " heddeewegi, double mixture.....	.35	1.00	2.60	10.00
A " " Japanese, single mixture.....	.25	.60	1.50	5.00
B Digitalis gloxiniaeflora, Foxglove, mixed	.30	.70	1.80	6.00
A Eschscholtzia, California Poppy, mixed....	.15	.25	.60	2.00
P Gaillardia grandiflora, New Hybrids mixed .....	.35	1.00	2.60	10.00
A " lorenziana, double mixed.....	.25	.70	1.80	6.00
P Hollyhock, OK double mixture.....	.75	2.00	5.75	20.00
P " Newport Pink .....	.75	2.10	6.00	21.00
A Impatiens sultani, Hybrids, 1-16 oz. \$1.80	5.50	19.00	-----	-----
A Kochia childsii, Burning Bush.....	.15	.40	1.00	3.00
A Larkspur, Delphinium, Stock flow- ered mixed.....	.35	.90	2.10	6.00
A " Newport Pink .....	.35	1.00	2.60	6.00
P Liatris pycnostachya, Cat-tail Gay feather	.25	.65	2.25	6.50
P Lobelia cardinalis, Cardinalflower	1.20	4.00	10.50	38.00
A " inflata, Indian Tobacco.....	.15	.40	1.00	3.50
P Lupinus texensis, Texas Bluebonnet.....	-----	.30	.75	2.50
A Marigold, African double tall mixed.....	.35	.85	2.40	7.00
A " French, Tall double mixed.....	.25	.60	1.50	5.00
A " French, Dwarf double mixed.....	.25	.60	1.50	5.00
A Nasturtium, Dwarf, best mixture.....	-----	.15	.35	1.10
A " Tall, best mixture.....	-----	.15	.30	1.00
A " lobbi, many colors mixed.....	-----	.15	.35	1.20
A Pansy, Giant mixture.....	1.80	6.50	17.50	65.00
A " English Fine mixture.....	.55	1.60	4.80	16.00
A " Good mixture .....	.35	1.00	2.60	10.00
A " Trimardeau, Showy mixture.....	.70	1.80	6.00	21.00
These are with us the most popular mixtures. We can supply any particular shades or mixtures.				
P Passiflora incarnata, Maypop.....	.15	.45	1.20	4.00
A Phlox drummondii grandiflora, best mixt.	.35	.90	3.00	11.00
A " OK Special mixture of all sorts.....	.80	2.65	7.00	25.00
A Poppy, Oriental, hybrids mixed.....	.70	2.00	5.20	20.00
A " Iceland (P. nudicaule), sing. mixed	.60	1.70	4.80	16.50
A Portulaca, single, all colors mixed.....	.40	1.00	2.80	8.00
A " double, OK mixture.....	1.20	3.20	10.00	-----
A Salpiglossis variabilis, fine mixture.....	.35	1.00	3.80	14.00
A " OK Special mixture.....	.70	2.00	5.20	20.00
P Schrankia angustata, Shamebrier.....	.25	.75	-----	-----
A Sweet Pea, Spencer OK mixture.....	.15	.25	.60	2.00
A " Spencer Hybrids, mostly light shades	-----	.15	.40	1.20
A " Eckford mixture, very finest.....	-----	.15	.30	.90
A " OK price mixture of new and standard varieties .....	.15	.20	.55	1.80
A Sweet William, OK mixture.....	.70	2.00	5.20	20.00
A " Mammoth flowered single mixed.....	.35	1.00	2.60	10.00
P Tigridia pavonia, Common Tiger Flower	.25	.70	1.75	6.50
A Verbena, OK finest mixture.....	.35	1.00	3.80	14.00
A " good mixture .....	.35	1.00	2.60	10.00

A	Zinnia, Colossal, double mixed.....	.35	.85	2.40	7.00
A	" " OK double finest mixed.....	.50	1.50	5.00	18.00
A	" Dahlia-flowered, mixed.....	.35	.80	3.80	14.00
A	" " Gold Medal, finest mixed.....	.70	2.00	5.20	20.00
We can supply Zinnias in all available shades and forms.					
A	SURPRISE GARDEN MIXTURE, many good flowers mixed.....	.15	.35	.80	2.60
Add any other flower seeds to your order. We can supply them.					

Roots and Seeds of Medicinal Plants

Arrangements with very reliable growers permit us to offer the following list of high grade Medicinal Roots and Seeds for propagation at very attractive prices, which are not subject to any discount. We are not growers ourselves. For roots and seeds of economic plants not listed or for large quantities we can quote on direct inquiry.

Information regarding cultivation of Ginseng, Goldenseal and other herbs may be had by applying to the United States Department of Agriculture, Washington, D. C., which issues bulletins on these subjects.

SEEDS

	100	500	1000	10,000	Oz.	Lb.
Ginseng .....	.50	1.80	3.00	27.50	.....	.....
(Panax quinquefolium)						
Goldenseal .....	.35	1.40	2.00	18.00	.....	.....
(Hydrastis canadensis)						
Lobelia cardinalis .....	....	.....	.....	.....	3.50	32.50
(Cardinal flower)						
" inflata .....	....	.....	.....	.....	.35	3.00
(Indian tobacco)						
Pink root .....	.40	1.60	2.40	.....	.....	.....
(Spigelia marilandica)						
Belladonna .....	....	.....	.....	.....	1.00	.....
(Atropa belladonna)						
Shamebrier .....	....	.....	.....	.....	.75	.....
(Schrunkia angustata)						
Stramonium .....	....	.....	.....	.....	.30	2.40
(Datura stramonium)						

We pay postage on domestic orders for these seeds when accompanied by cash.

ROOTS

GINSENG (Panax quinquefolium)

	10	100	500	1,000
	Roots	Roots	Roots	Roots
1 year old	1.00	4.00	11.50	22.00
2 years old	1.40	5.00	18.00	32.00

GOLDENSEAL (Hydrastis canadensis)

1 year old .....	.65	2.00	6.50	11.00
2 years old, small .....	.90	2.60	10.50	19.00
2 years old, strong (Woodsgrown).....	1.35	3.20	12.50	23.00

SUNDRY MEDICINAL ROOTS

	10	100	1,000
	Roots	Roots	Roots
Aconitum napellus, Aconite	1.00	3.00	18.00
Aletris farinosa, Stargrass	1.00	3.00	18.00
Angelica atropurpurea, Purplestem Angelica.....	1.00	3.00	18.00
Aplectrum hyemale, Puttyroot, Adam and Eve.....	1.25	3.50	20.00
Arisaema triphyllum, Jack-in-the-Pulpit.....	1.00	3.00	18.00
Aristolochia serpentaria, Virginia Snakeroot.....	1.00	3.00	18.00
Asclepias incarnata, Swamp Milkweed.....	1.00	3.00	18.00
Asclepias tuberosa, Butterflyweed.....	1.00	3.00	18.00
Asclepias tuberosa, Strong	1.80	5.50	.....
Chamaelyrium luteum, Fairywand.....	1.00	3.00	18.00
Cimicifuga racemosa, Cohosh Bugbane	1.00	3.00	18.00
Cypripedium parviflorum, Small Yellow Lady-slipper	1.50	7.00	.....
Dionaea muscipula, Venus Flytrap.....	2.00	7.50	.....
Dioscorea villosa, Wild Yam.....	1.25	3.50	22.50
Drosera rotundifolia, Sundew.....	1.80	5.50	.....
Erythronium americanum, Common Troutlily.....	1.00	3.00	18.00
Fragaria virginica, Va. Strawberry	1.00	3.00	.....
Gelsemium sempervirens, Carolina-Jessamine	1.00	3.00	18.00
Gentiana andrewsi, Closed Gentian.....	2.50	4.50	32.00
Hepatica triloba, Roundlobe Hepatica	1.00	3.00	18.00

	10 Roots	100 Roots	1,000 Roots
Hydrastis canadensis, Goldenseal (see page 20).....	.65	2.00	11.00
Liatris pycnostachya, Cat-tail Gayfeather strong.....	2.00	8.50	70.00
" scariosa, Blazing Star, strong.....	2.00	8.50	70.00
Mitchella repens, Partridgeberry	1.00	3.00	18.00
Panax quinquefolium, Ginseng (see page 20).....	1.00	4.00	22.00
Passiflora incarnata, Maypop	1.00	3.00	18.00
Phlox subulata, Moss Pink	1.00	3.00	18.00
Phlox subulata, Strong.....	1.80	5.50	35.00
Phytolacca americana (decandra) Common Pokeberry	1.00	3.00	18.00
Podophyllum peltatum, Common Mayapple	1.00	3.00	18.00
Polygala senega, Seneca-Snakeroot.....	1.00	3.00	20.00
Polygonatum biflorum, Small Solomonseal.....	1.00	3.00	18.00
Sanguinaria canadensis, Bloodroot	1.00	3.00	18.00
Sarracenia flava, Trumpet Pitcherplant	1.80	5.50	30.00
Sarracenia purpurea, Common Pitcherplant.....	1.80	5.50	35.00
Sarracenia rubra, Sweet P.....	2.00	6.00	.....
Silene virginica, Firepink	1.25	3.50	.....
Smilacina stellata, Starry False Solomons Seal.....	1.00	3.00	18.00
Spigelia marilandica, Pinkroot	1.00	3.00	18.00
Stillingia sylvatica, Queen's Delight.....	1.00	3.00	.....
Tradescantia virginica, Va. Spiderwort	1.00	3.00	18.00
Trillium erectum, Purple Trillium	1.00	3.00	18.00
" grandiflorum, Purple T.	1.00	3.00	18.00
" sessile, Toad T.	1.00	3.00	18.00
Viola cucullata, Blue Marsh Violet	1.00	3.00	16.00
Viola pedata, Birdsfoot Violet	1.00	2.60	15.00
Viola pubescens, Downy Yellow Violet	1.00	3.00	16.00

Prices for ten roots include delivery of domestic orders accompanied by cash. NO DISCOUNTS ON ROOTS.

Books

To meet a steadily increasing demand we are prepared now to supply the best books on horticulture at publishers' prices and shall gladly obtain for you any books omitted from this list.

Prices include delivery in U. S. A. No discounts.

STANDARDIZED PLANT NAMES (1923) is becoming rapidly the acknowledged standard authority for all dealings in and current literature about plants in the United States. In our own publications we adhere strictly to **Standardized Plant names.**

Standard Edition (bound in cloth for library and general use)

\$6.00

Pocket Edition (flexibly bound in Fabrikoid, printed on India or "Bible" paper—11 ounces, ½ inch thick.....

7.50

Interleaved Edition (same as Standard Edition with blank pages between the printed pages for notations.....

7.50

546 pages. Delivered postpaid in the U. S. A. on receipt of price. For foreign countries add 30 cents for postage.

MACMILLAN COMPANY BOOKS

THE STANDARD CYCLOPEDIA OF HORTICULTURE, edited by L. H. Bailey. Complete with color pages and nearly 5,000 engravings, these volumes give complete information on kinds, characteristics, and methods of cultivation of all plants grown in North America. Ill., 3 vols, 3637 pp.....

25.00

BAILEY, L. H.—THE CULTIVATED EVERGREENS. Authorities call this "the only authoritative book on evergreens." Shows how to use evergreens (conifers and broad-leaved) in the landscape; how to plant and how to propagate them; how to control insects and diseases; and how to identify all the species and varieties. 162 illustrations, 434 pages

3.00

BAILEY, L. H.—THE NURSERY MANUAL. Outlines all the details of successful nursery practice for both professional and amateur. One section describes general nursery methods, especially propagation practices; the other section has a complete list of nursery plants, with the propagation and cultivation methods required for each. Ill., 456 pp.....

2.75

BAILEY, L. H.—MANUAL OF GARDENING. You can depend on this book to supply you with complete and practical information on planting and landscaping your home grounds. Tells how to make the most of natural features; how to drain, cultivate, and fertilize the soil; how to sow, propagate, transplant, prune, and graft the different classes of fruits, vegetables, and flowers. Gives lists of varieties suited for different purposes. 350 illustrations, 539 pages.....

3.30

- BAILEY, L. H.—THE PRUNING MANUAL.** Easily accessible information on the time and methods best adapted to the pruning of trees, shrubs, and vines. Ill., 400 pp..... 2.75
- BAILEY, L. H. & E. Z.—HORTUS: A CONCISE DICTIONARY OF GARDENING.** Easy to use, accurate, and non-technical, this great book comes closer than any other single volume to answering every question about gardening. It includes every kind of ornamental, fruit and vegetable plant grown today with brief but complete information on their uses, cultivation, hardiness, propagation, preferred soil, color, identification, etc. Common names are used throughout, all botanical terms are defined, and it is marvelously easy to handle. 35 Ills., 652 pages..... 10.50
- BARDSWELL, FRANCES—THE HERB GARDEN.** Every detail of herb gardening is covered in these pages: making of the garden; annual, biennial and perennial pot-herbs; aromatic herbs; the mints; bitter herbs; bulbous plants; gathering, drying and storing; color in the herb garden; fragrance; wild herbs for physic; and other herbs of interest. 16 color Ills., 189 pages..... 3.25
- BOTTOMLEY, M. E.—THE DESIGN OF SMALL PROPERTIES.** Here are 52 carefully designed plans, one or more of which will give you just the planting layout you want for your home. Each plan is fully described and explained so that you can easily modify it to fit any special conditions. A check list of nearly 600 plants showing the height, color, time of bloom, foliage, growing habit, soil requirements, etc., of each one shows you what to plant. 64 illustrations 233 pages 3.30
- CRUMLEY, J. J.—CONSTRUCTIVE FORESTRY FOR THE PRIVATE OWNER.** Here is a book for the farmer or other owner of woodlands who wishes to manage this crop as he does his others—economically and with a fair return for his investment and labor. The discussion of the principles of forestry is preceded by a study of the tree itself, including its germination from seed and its early growth. The book tells which species are best suited to various localities and uses, and considers such questions as durability of various timbers in the soil, financial problems of private forestry, the farm nursery, and the selection and breeding of edible nuts 3.80
- FISHER, EDITH R.—THE GARDEN CLUB MANUAL—**Practical, tested information on every detail of the organization and management of garden clubs, including model constitutions, program suggestions, complete directions for staging flower shows, civic improvement projects, and junior garden clubs 2.20
- GREEVES-CARPENTER, C. F.—THE CARE OF ORNAMENTAL TREES.** A compact handbook on the care of trees, treating, tree surgery, spraying, etc., 70 pp., ill..... 1.35
- HUME, H. H.—AZALEAS AND CAMELLIAS.** Every point about growing both of these shrubs is carefully explained here—soils, time and method of planting, cultivation, mulching, pruning, frost protection, feeding, pot and tub culture, pests and diseases, and propagation. This information holds good for every region where either shrub is grown, indoors or outdoors. 14 Ills., 90 pages..... 1.70
- HUME, H. H.—THE CULTIVATION OF CITRUS FRUITS.** In a highly specialized industry such as citrus growing, new and practical information is essential. The author is a grower of long experience and his book is recognized as the best and most recent authority on the subject. Ill., 561 pp. 5.25
- HUME, H. H.—GARDENING IN THE LOWER SOUTH.** The first and only complete garden guide for the South. It tells what flowers to plant for steady succession of bloom, how to have fresh vegetables throughout the year, how to grow fruits, what varieties to plant, what trees and evergreens grow best, and all about Southern soils, fertilizing, lawn making, palms, roses, azaleas, bulbs, bamboos, vines, and other plants. 102 illustrations, 472 pages..... 5.30
- LAURIE, ALEX, AND CHADWICK, L. C.—THE MODERN NURSERY.** Contains the latest practical information on all phases of plant propagation, culture, and handling. Discusses the location and layout of the nursery, tools, build-

OTTO KATZENSTEIN & CO.
P.O. BOX 259 ATLANTA, GA.

SPECIAL

COMMON BLACK (YELLOW) LOCUST (*Robinia pseudacacia*) SEE!

Black Locust is one of our hardiest fast growing trees which par
arly well adapted to growing in the wood lot.

The young trees make excellent fence posts and mature trees yiel
a good grade of lumber and firewood.

A pound contains around 26,000 seeds and average germination is
50 to 60%. To obtain best results the seed should be immersed i
hot water immediately before sowing and not be allowed to dry out
again.

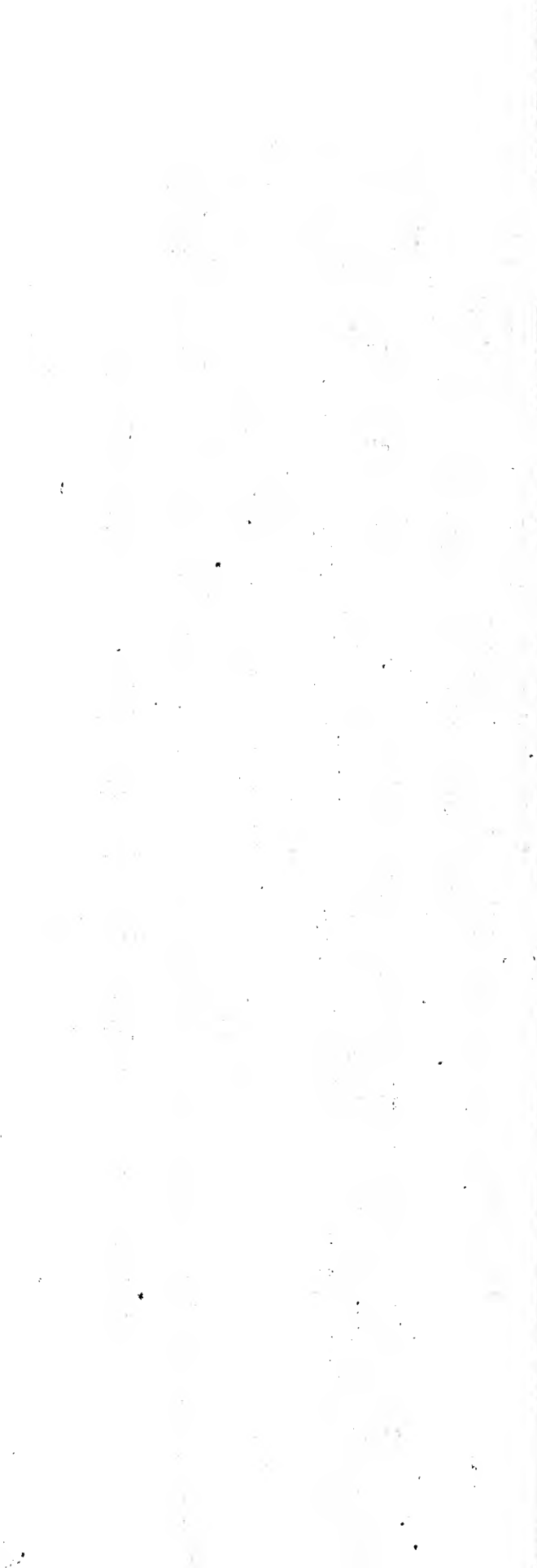
1 lb	10 lbs	25 lbs and over
------	--------	-----------------

\$1.00

\$\$.95

\$.80 a pound and delivery charges.

Special prices for large quantities.



ings, soils, fertilizers, plant reproduction and propagation with tables showing the method for all plants, cultural practices, storage, packing, grading, office management, marketing, and nursery laws, quarantines, and plant patents. Contains 52 tables, 107 Ills., 500 pages, fabrikoid binding.....	5.30			
McFARLAND, H.—GETTING ACQUAINTED WITH THE TREES. Treating on a number of popular trees in a popular way. Ill. 224 pp.	2.00			
PYLE, R., AND OTHERS—HOW TO GROW ROSES. Here you will find full and practical information on every question on the growing of garden roses. Written from the lifetime experience of three of our greatest growers. 45 varieties are illustrated in full color. The best book on roses ever published. 138 Ills., 211 pages.....	2.25			
RAMSEY, L. W.—LANDSCAPING THE HOME GROUNDS. Step by step, with photographs and plans that make each point clear, this new book shows just how to develop your home grounds for greatest beauty. Each of the 175 illustrations tells a story or teaches an important lesson at a glance. 175 Ills., 170 pages.....	2.20			
REHDER, ALFRED.—MANUAL OF CULTIVATED TREES AND SHRUBS. A complete and absolutely indispensable reference book of all hardy trees and shrubs. 976 pp.....	10.80			
RANKIN—MANUAL OF TREE DISEASES. Includes discussions of diseases common to all kinds of trees, such as damping off of seedlings, temperature injuries to leaves and woody parts, etc., with special attention to tree surgery and spraying. Ill., 398 pp.	3.50			
ROCKWELL, F. F.—THE HOME GARDEN HANDBOOKS. A series of pocket size books, now eight in number, that it is a pleasure for us to recommend because each volume covers its ground so well and concisely. Use them when your seeds or plants arrive; they will show you how to prepare the soil, plant the seed, or transplant. Carry them out to the garden when you cultivate, prune and fertile. They will save you many steps and help you avoid disappointments. Each volume has from 30 to 70 illustrations and contains about 90 pages. Strong cloth binding, four-color jackets. Price per volume	1.00			
The titles now published are:				
Rock Gardens	Dahlias	Irises	Gladiolus	Roses
Evergreens for the Small Place	Shrubs	Lawns		
STUCKEY-KYLE.—PECAN GROWING. Practical details of the culture, propagation, insect and disease protection, harvesting, cracking and marketing of pecans. Includes the latest methods and practices of successful growers. Ill., 223 pp.	3.25			
DELAMARE COMPANY BOOKS				
BRIGGS, GARDENING IN THE SOUTH—A concise, thorough and interesting manual for the Southern home-owner. Many Ills., 332 pages	2.15			
COON, NELSON—NURSERY SALES AND MANAGEMENT. Just issued. It gives fundamentals of nursery work to the beginner and very helpful information to all. Particularly it deals with the sales end. 234 pages, many Ills.....	1.65			
HOTTES, ALFRED.—THE BOOK OF ANNUALS. Full directions for the culture and uses of over 100 different species. 155 ill. 182 pp.	1.65			
HOTTES, ALFRED.—THE BOOK OF PERENNIALS. Companion book to the Book of Annuals—about growing, using, selecting and propagating perennials with many lists.....	1.65			
HOTTES, ALFRED.—PRACTICAL PLANT PROPAGATION. A reliable guide to the professional and amateur in the best practices of the propagation of plants. 224 pp., ill.	2.15			
HOTTES, ALFRED.—THE BOOK OF SHRUBS. An up-to-the-moment and most complete reference book on shrubs based on the experience of many authorities. 388 pp., many ill.....	3.25			
JOHNSON, L. H.—FOUNDATION PLANTING. A valuable help in designing foundation plantings for residences, schools, factories, garages, etc., over 200 ill.	3.65			

SUNDRY PUBLICATIONS

- HOUGH—HANDBOOK OF TREES** of the Northern States and Canada. A wonderfully instructive, photo-descriptive volume. An arboretum in book form. Ill., 470 pp..... **8.50**
- TOUMEY—SEEDING AND PLANTING.** This manual gives first-hand information for the guidance of all interested in the growing of trees from seed, by Prof. J. W. Toumey, of the Yale Forestry School. Ill., 455 pp..... **4.25**

If insurance or registration of books is desired—add sufficient postage.

SUNDRIES

Sundries are sold at such close margins that we must insist on settlement within ten days from date of invoice and without any discounts.

Granulated Peat Moss

Complying with many requests we have arranged for regular supply of the best Boskoop brand, and we ship from New York, Philadelphia, Boston, Baltimore, New Orleans and at slightly increased prices also from Chicago, Detroit, Cleveland, Ohio.

	Per Bale		Per Bale
1 to 9 bales.....	at \$2.50	25 to 49 bales.....	at \$2.30
10 to 24 bales.....	at \$2.40	50 and more bales.....	at \$2.20

SUMMER CARBO-SPRAY

Keeps growing plants healthy and clean during the growing period. It controls Scales, Aphis, European Red Spider, Rust Mite, Euonymus and Juniper Scale, etc. Circular. 1 gallon to 250 gallons of water.

½ gallon tin.....	\$3.50	5 gallon drum.....	\$27.50
1 gallon tin.....	6.00	10 gallon drum.....	50.00

(F. O. B. New York)

PATENT WATERPROOF WIRELESS TREE LABELS

A very popular, handy label, particularly useful in shipping. They come in cartons of 1,000. 3 lbs. per 1,000 mailing weight.

1,000	5,000	10,000	50,000	
\$1.00	\$4.60	\$8.50	\$37.50	f. o. b. Ohio

For printing your address or anything else add for 1 line 40c per 1,000; 60c for 2 lines, and 80c for 3 lines; double if printed on both sides; 10 labels to the sheet. Samples on request. Prompt deliveries.

SEMESAN

SEMESAN acts as an antiseptic that either kills or retards the development of disease-producing bacteria and fungi which subsists on seeds and plants. Semesan will be found very useful in controlling damping off.

Sold in tin containers, 2 oz., \$.50; 1 lb., \$2.75; 5 lb., \$13.00; 25 lb., \$62.50 and transportation charges. Booklets on request.

UTILEX PUMP is the handiest little pump to apply Semesan properly and it is good for endless other uses, \$1.25 each. 2 lbs. mailing weight. Ask for circulars.



NEPONSET WATERPROOF PAPER POTS

are a great and almost indispensable help to the grower. We supply them f. o. b. East Walpole, Mass. Write for complete price list and other information.



TEX-ANT

If you are troubled with ants on your grounds or inside you will find this preparation very satisfactory. In bottles 45c and 60c size postpaid.